

Lexington Kentucky, May 20th 1835.

Dear Sir

Absence from home for a month past will account for my not having sooner acknowledged the rec^d of your communication of the 24th ult. which I found waiting my return, but a few days since.

In reply to it, I have only to say that it will afford me much pleasure to forward your views and aid you in your present much desired enterprise, by the collection of the Grapes & Canices which you have designated. I must here remark, however, in my own justification, that I rec^d from Dr. Toney during the past winter a "Catalogue of the Plants of Kentucky" which I had previously sent him, on which he had mark'd such as he desired. On the same list were a number of Grapes &c mark'd by yourself as being wanted in quantity. Although I had specimens of nearly all you had designated, yet the number which you required far exceeded the supply I had, and I therefore thought it useless to send you any - This explanation I desired Dr. Toney to make you, with assurances that I would have an eye especially to your wants this Spring.

The Gramineae which you have designated, although for the most part to be had with ease in this immediate neighborhood, yet are not to be had immediately - The two Melices of the three Canices can be obtained & sent to you in a month or

lep - the Bromi, Dianthana, Scirpus & Uniola, are late, and can not be obtained before midsummer; whilst the Kyllingia, Ceresia, & Oxydenia are among the latest of our fall plants. Will you please, therefore, to say whether you would prefer my sending them in different parcels, as I obtain them, or waiting until the fall when they may be forwarded all together?

By the close of the season I shall also, I trust, be able to send you specimens of all or nearly all the other plants you have designated; and before that time I will make out a list of such Eastern species as I should like to obtain from you.

I am delighted to hear that you have completed two vols. or parts of your work on the Gram. of Egypt, and I promise myself the pleasure of seeing it before long, having desired Mr. Judah Dobson, Bookseller, Phil.^a to obtain & send it to me. He has had, indeed, an order for it ever since I first heard it announced, but informed me only a few months ago, that it would be published in Silliman's Journal!

Can you indicate to me any very certain & safe opportunity of conveying to you the parcels alluded to above? Does Dr. Torrey's brother reside yet in Louisville, and if so will he be likely to have better opportunities than from this place - small parcels sent across such a distance, are apt to be lost, as I have unfortunately experienced more than once.

I think that Dr. Torrey has before this rec'd the small parcel of plants which I sent him some months since, & the care of Mr. Dobson. He pleased to say to him that I had the pleasure some weeks since of getting his letter of the 4th April, but that I have waited to answer it until I should have been favoured with his further remarks upon the second parcel. Dr. Peter and myself will look anxiously for the package of specimens which he has been so good as to promise us.

Accept my thanks for your very excellent Monograph of Rhynchospora*, and the copy of your paper on the rare or little known plants of N.Y. - I am much gratified that it has been in my power to correct your misapprehensions in regard to the Curula glabellæ, Mx.

And lest I should omit it at the proper time I must beg you for good & perfect specimens of your majora plant. - you shall have any quantity of our Curula. We will endeavour also to obtain for you mature specimens of the Arabis you have mentioned.

Respectfully your ob. Serv^t

C. W. Short.

Dr. Gray.

* I am disposed to think this genus is not so extensive with us as you imagine - I think after I diligently search for several years I have met with but 2 or 3 species.



Dr. A. A. Gray
or, in his absence,
Dr. John Torrey.
City of New York



Plants from Torrey's compendium of which good specimens are
 desired of Dr. A. Gray by C. C. Short, Lexington, Ky. 1835. viz.

<i>Cornus Americana</i>	<i>Arenarth. pennsylvanic</i>	<i>Ulmus nemoralis</i>
<i>Veronica hederifolia</i>	<i>Panicum depauperatum</i>	<i>Hydrocotyle ranunc.</i>
" <i>veniformis</i>	<i>Sitania verticillata</i>	<i>Panicum caroliniana</i>
<i>Gratiola megalocarpa</i>	<i>Holosteum succulent</i>	<i>Aralia nudicaulis</i>
<i>Lindernia monticola</i>	<i>Lechea thymifolia</i>	<i>Tradescantia rosea</i>
<i>Hemeranthus micranthem</i>	<i>Diosia virginica</i>	<i>Prinos ambiguus</i>
<i>Lycopus uniflorus</i>	<i>Hedyotis glomerata</i>	<i>Amanjillis atarnesco</i>
<i>Monaida clinopadia</i>	<i>Houstonia pubescens</i>	<i>Aletus aurea</i>
<i>Salvia verticifolia</i>	<i>Sanguisorba media</i>	<i>Lilium Gatesbaei</i>
" <i>Claytoni</i>	<i>Cornus stricta</i>	<i>Scutellaria glava</i>
<i>Iris lacustris</i>	" <i>alternifolia</i>	<i>Sheptopus roseus</i>
<i>Lachnanthes tinctoria</i>	<i>Plantago media</i>	<i>Convallaria canalic.</i>
<i>Syllingia monocephala</i>	<i>Exacum pulchellum</i>	<i>Luzula melanocarpa</i>
<i>Phytospora cymosa</i>	<i>Suaeda deflexa</i>	" <i>spicata</i>
<i>Maurandia oval. ptenellus</i>	" <i>pusilla</i>	<i>Xerophyllum setifol.</i>
<i>Cyperus virens</i>	<i>Ammannia ramossior</i>	<i>Trellium pusillum</i>
" <i>odoratus</i>	<i>Rivinia laevis</i>	<i>Burnex sanguineus</i>
<i>Argemone asperifolia</i>	<i>Salicaria campanulata</i>	<i>Oenothera incana</i>
<i>Milium effusum</i>	<i>Phacelia parviflora</i>	<i>Monarda caerulea</i>
" <i>amphicarpa</i>	<i>Byssogyne niger</i>	" <i>globularis</i>
" <i>prunifera</i>	<i>Azalea procumbens</i>	<i>Acer barbatum</i>
<i>Trichodermis scabund</i>	<i>Lonicera grata</i>	" <i>pennsylvanic</i>
" <i>clatum</i>	<i>Ceanothus herbaceus</i>	<i>Rhododendron nudiflor.</i>
" <i>montanum</i>	<i>Phaninus atrifolius</i>	" <i>tripsidum</i>
<i>Agrostis juncea</i>	<i>Hamulonia oligera</i>	<i>Cypripedium fasciculata</i>
" <i>longifolia</i>	<i>Anemone dichotoma</i>	<i>Hydrangia radiata</i>
<i>Andropogon coarctata</i>	<i>Apocynum pubescens</i>	<i>Cucubalus niger</i>
" <i>brevifolia</i>	<i>Periptocarpus graca</i>	<i>Cerastium tenuifol.</i>
<i>Phalaris canadensis</i>	<i>Arctostaphylos purpurascens</i>	<i>Prunus Canadensis</i>
<i>Pa fasciculata</i>	" <i>debilis</i>	<i>Sythyrium salicaria</i>
" <i>dentata</i>	<i>Gentiana linearis</i>	<i>Sorbus microcarpa</i>
" <i>triscatis</i>	<i>Atriplex halimifolia</i>	<i>Sesuvium sepulta</i>
<i>Festuca myurens</i>	<i>Salix fragilis</i>	
<i>Trisetum patens</i>		
<i>Arenatherum avenaceum</i>		

<i>Aronia ovalis</i>	<i>Sida Kapaia</i>	<i>Aster sagittifolius.</i>	<i>Zostera marina</i>	<i>Thyflanthus obovatus.</i>	<i>Asplenium pernatifidum</i>
<i>+Pyrus angustifolia</i>	" <i>dioica</i>	" <i>linifolius.</i> †	<i>Gannickella palustris</i>	<i>Salix</i> , any and all species	" <i>Trichomanes</i>
<i>Geum agumonoides</i>	<i>Corydalis glauca</i>	<i>Solidago gigantea</i>	" <i>intermedia</i>	well determined.	<i>Ecolopendrium vulgare</i>
" <i>Peckii.</i>	* " <i>gymnosa</i>	" <i>reflexa</i>	<i>Euphorbia polygonifolia</i>	<i>Acnida ruscampa</i>	<i>Woodwardia Obovata</i>
<i>+Potentilla palustris.</i>	<i>Evum hirsutum</i>	" <i>rugosa</i>	" <i>mercurialina</i>	<i>Smilax saxapapilla</i>	<i>Pteris caudata</i>
<i>Calycanthus laevigatus</i>	+ " <i>tetraspermum.</i>	" <i>scabra</i>	" <i>pilosa</i>	" <i>launifolia</i>	<i>Hymenophyllum ciliatum</i>
<i>Tilia laxiflora</i>	<i>Hedysarum humifusum</i>	" <i>sempervirens</i>	<i>Sparganium natans</i>	" <i>randurata</i>	<i>Struthiopteris pennsylv.</i>
<i>Helianthemum ramul.</i>	" <i>cuspidatum.</i>	" <i>limonifolia</i>	<i>Carex</i> - any, well determined	<i>Dioscorea quaternata</i>	<i>Asmunda interrupta</i>
<i>Sanacenia. p. yell. flow.</i>	<i>Penanthes cordata</i>	" <i>naueboracensis</i>	Species not in Y. Gram & Cyp. or our Catalogue, Ken. plants.	<i>Populus Bradsonica</i>	<i>Botrychium simplex</i>
<i>Delphinium azureum</i>	<i>Lactuca hirsuta</i>	<i>Arnica monticola</i>	<i>Vertica procera</i>	" <i>heterophylla</i>	" <i>gumoides</i>
<i>Aconitum uncinatum</i>	" <i>sanguinea</i>	<i>Senecio vulgaris</i>	" <i>capitata</i>	<i>Elodea Canadensis</i>	<i>Equisetum variegatum</i>
<i>+Ascyrum stans</i>	<i>Onoclea Virginiana</i>	" <i>elongatus</i>	<i>Amaranthus Blatensis</i>	<i>Aspidium Todarianum</i>	<i>Salvinia natans</i>
<i>Hypericum galioides</i>	<i>Eupatorium truncatum</i>	" <i>heterophyllum</i>	<i>Xanthium macrocarpon</i>	" <i>spinulosum</i>	<i>Azolla caroliniana</i>
<i>Clematis ochroleuca</i>	" <i>punctatum</i>	<i>Trifolago frugida</i>	<i>Corylus rostrata</i>	" <i>delatatum.</i>	<i>Isaetes lacustris.</i>
" <i>verticillaris</i>	<i>Mikania pubescens.</i>	" <i>Fargara</i>	<i>+Linula (from Niagara)</i>	" <i>asplenoides</i>	
<i>Anemone lancifolia</i>	<i>Chrysopsis falcata.</i>	<i>Boltonia glastifolia</i>		" <i>punctilobulum</i>	
<i>Thalictrum purpurea.</i>	<i>Aster hypopnefolius</i>	" <i>asteroides</i>			
<i>Caltha integrum</i>	" <i>multiflorus</i>	<i>Achillea Ptarmica</i>			
" <i>pennsylvanica</i>	" <i>sparsiflorus</i>	<i>Helianthus mollis</i>			
" <i>glabellifolia</i>	" <i>+ consolor</i>	" <i>divaricatus</i>			
<i>Ranunculus pusillus</i>	" <i>astrius</i>	" <i>multiflorus</i>			
" <i>mailandicus.</i>	" <i>Rabula</i>	<i>Rudbeckia digitata</i>			
<i>Verbena spuria</i>	" <i>+ Spectabilis</i> of B.	" <i>fulgida</i>			
<i>Limnoscilla subulata</i>	" <i>serotinus</i>	<i>+Bidens connata</i>			
<i>Schwalbea americana</i>	" <i>dracunculoides</i>	<i>Coreopsis rosea</i>			
<i>Draba Caroliniana</i>	" <i>mutabilis</i>	" <i>+ glabata</i>			
<i>Subularia aquatica</i>	" <i>bellidiflorus</i>	" <i>aspera</i>			
<i>Dentaria maxima</i>	" <i>Tradescanti.</i>	<i>Orchis obscura</i>			
<i>Arabis laevigata</i>	" <i>juceus</i>	<i>Habenaria integras</i>			
<i>Sisymbrium Sophia</i>	" <i>gracilis</i>	" <i>humanae</i>			
<i>Hibiscus Virginicus</i>	* I greatly desire this.	" <i>grandiflora</i>			
		<i>Goodyera repens</i>			
		<i>Corallorhiza repens</i> verna			
		" <i>multiflora</i>			
		<i>Cypripedium acaule</i>			
		<i>Asarum Virginicum</i>			
		+ together with any other			
		well determined asters, not			
		in our Cat. Ken. Pl.			

Lexington, Ky. June 24th 1835

My dear Sir-

Your favour of the 4th Inst. was received a few days since, and I have awaited myself of the earliest leisure to make out the above formidable list of desiderata from your mother plants. Do not, I pray you, deem me so unreasonable as to expect all of them from you. Of many of them I have specimens already, but of such the most are indifferent, and as I pride myself much on the mechanical execution of my Herbarium, in regard to the preparation of its subjects, I hope for better specimens from you. Your present rustication, I hope, will facilitate your collections for this season, and I should be obliged to you for more than one specimen of such of your plants as are at all peculiar to your District.

I have not been idle since the campaign began in the spring, and among other things I have collected and preserved, I trust to your satisfaction, the required number of Spec^{ies} of *Melica diffusa*? & *Speciosa* - *Micgia macrosperma* - *Carex stenolepis*, *Hillebrandiana*, & *Thortiana* - The remainder desired for your work I have no doubt of being able to procure at the proper season - These, together with the miscellaneous plants you desire, will be forwarded to you as soon after my collections are finished for the season, as practicable.

I have just had the pleasure of inspecting the 2 vols of your
Gram. & Cyp. sent me a short time since by Dobson, and I need not
say that I am much delighted with them. I trust, indeed, you may
be induced to continue your labours in this line until you have
gotten through entirely with these different and extensive families.
— you could not render a greater service to the cause of American Botany.

Yrs
Clem

Dr.
Gray, M. D.,
Bridgewater,
Oreida county,
New York.

I have also to thank you for your very satisfactory monograph
of the Rhynchospora, and am in daily expectation of receiving the promised
plate. — Your request in regard to the mature fruit of the *Hesperis* of Arabia
will not be neglected. — I have not yet been favour'd with the promised
communication from Dr. Torrey. Very respectfully, my dear Sir, I remain
yours &c. C. W. Short.

Lexington Kentucky, June 23^d 1836

My dear Sir

Since I last did myself the pleasure of addressing you, I have been favoured with your two communications of Feb. 1st and April 20th-28th for both of which I thank you, and to both of which I should have sooner replied, but for my absence from home a month this spring, and the pressure of business of different kinds on my return. — I regret very much the delay which has attended the publication of your "Elements" which I had very much hoped to have been able to put in the hands of my botanical clasp by this time. Mr. Stillman informs me that as yet he has no advice from the Messrs. Carville, concerning it; from which I fear that still further delay has been suffered than you apprehended when you wrote me last. At that time you supposed the first week in May the ultimatum of postponement. May I beg the favour of you, (if you can spare them without injury to the Sells) that you will immediately send me by mail all the printed sheets with which you have not already favoured me. For this purpose I herewith give you the signatures of those forms I have, including those sent to Dr. Peter, viz. 6. 11. 12. 13. 14. 17. 19. 20. 21. 22. 23. 24. 26. 27. 28. 29. 30. All the other printed parts would at the present time be particularly acceptable. In sending them please to stick them together, and mark on the

envelope the number of printed sheets: otherwise a ridiculous law of the Post Office makes the postage much higher. I hope yet that we shall receive a number of Copies of the work complete, before my course will terminate.

What I said on the subject of the Linnaean and ~~Infirmary~~ "parties" in the paper on the collection and preservation of plants, may be "all nonsense" enough; but you will please to remark that I am there directing a man to try in the first steps towards the formation of an Herbarium; and so far I am compelled to believe that he will find the artificial system his easiest and plainest guide. When his collection has assumed a more imposing form, by attaining any magnitude; or when he becomes something more than a mere collector, then I grant you he will find more facility and certainly far more philosophy, in the natural orders. — We must not misunderstand each other, and I, therefore, beg leave to enquire of you whether you have not somewhat underrated the labours of Prof. Eaton in the cause of American Botany? Granted that his character as a man, a scholar or a gentleman, may not be of the most unexceptionable kind; and that his Manual may be anything else than a classic or accurate production; yet I beg you to tell me what other works on the subject of American Botany has done as much as this same manual towards making generally known the characters of American plants? Is not this testified by the rapid sale of the numerous editions of it? for whilst the Genera of Nuttall, the

Floras of Pursh and Michx., (certainly far more classic and accurate productions,) to say nothing of the two works of Wm. Barlow, that of Richs, Bigelow, Darlingt. and even Elliott, have either fallen dead born from the press, or with difficulty attained the manure of Eaton has in a few years passed through several Editions, a second Edition. The failure of some of those and the transient success of the Manual has surely being owing to anything else than a want of merit in them, or the popularity of it by that. But to whatever circumstance owing, I think that facts will bear me out in the assertion, that "Eaton's manual has contributed more to a general knowledge of the plants of North America than any one book". It has happened that of the few individuals in the West who have come to my knowledge, as paying any attention whatever to Natural History, four have been pupils of the Pennington School, under Prof. Eaton: one of these, and certainly the most able and well-informed, was his own son; and perhaps as that account I am disposed to rate more highly than you do the father's labours in the cause of American Botany.

Early in the spring I sent to Mr. Dobson Philadelphia three large cases of dried plants — the fruits of Dr. Polet's and my own collection during the past season — One of them was intended for, and directed to be sent to New York, to Dr. Torrey. And in it among many other packages was one for yourself. I heard some time ago from Dobson of his having recd. them all safely, and I trust that before this that intended for you city has reached it, and that you have found some things to interest you — At your leisure I hope to be favoured with your remarks freely on my

plants. When shall we have another volume of your
Gramin. Cyperaceae? — I long to hear of your leaving for a while
the smoke and dust of New-York, for the pleasure and rec-
dence of the country. In your perambulations I trust you will
not forget me and my Herbarium.

Wm. Gray, M.D.

Gymnasium of Natural History

Broadway, near Prince St.

New York.

Will you do me the favour to say to Mr. Torrey that I sh^d.
be pleased to hear from him in regard to the packages with
which I have troubled him — I have not been favoured with
a letter from him since writing to him about the 25th of April.

Very Respectfully, My dear Sir,

I am yours truly C. C. Shost

Lexington Ky. Sept. 25th 1836

My dear Sir

Since writing to you last, I have had the pleasure of receiving your two letters of the 25th of June and 12th of August; and also the copy of your Elements of Botany which you most kindly sent to present to me. It came in a box with a number of copies from the publisher to Dr. Skillman; but I am sorry they did not arrive sooner, as a larger sale might have been effected, and more benefit been derived from them by my summer's class. I am, however, much pleased with the work, which certainly is the best Introduction to the Natural System that I have yet look'd into. Lindley's works are all too voluminous and learned for the tyro. It will afford me pleasure to furnish you with any illustrations or remarks which may seem to me worthy of notice in a second edition; and in the meantime I may publish some notice of it in our medical journals. Have you this work (now in its ninth volume) in the Library of your Lyceum? If not, it will afford me pleasure to present a copy, if it comes within the range of your collections.

I am pleased that you found some plants in the parcel last sent you which were acceptable; and I hope to be able to add to your Herbarium still others during the coming winter, when I have leisure to select & divide

this seasons gatherings. Among them will be found numerous specimens of the *Hedeum pumilum* for your grass-book; and I trust also of *Rhynchospora longirostris*, for the same. I have a promise from my friend Furwood of Louisville to secure an abundance of specimens of this last for you. By the bye, when shall we have a third part of your Gram. & Cyp.² — When you have given us a few more volumes of this truly useful work, I trust that the study of those heretofore confused and confounded families will be rendered, by the aid of Dr. Torrey's Monographs, as plain as A. B. C. —

I thank you for the few remarks you offer on the plants last sent you — the "*Crabæ hirsuta*?" of that parcel was so named by Dr. Hooker, although I confess it has no resemblance to European specimens which I have under that name — I will endeavor next season to procure ripe fruit, if I have not done so this. Bentham is surely wrong in combining *Scutellaria parvula* with *S. ambigua* — are they not entirely distinct? — Can you favour me with a specimen of *Eupatorium glandulosum*, max other than those sent by myself as *E. Torreyanum*?

I have lately had the pleasure of looking over the parcel of Florida plants sent me by Dr. Chapman, and have been much delighted with them — not only on account of their rarity and novelty to me, but also their beautiful state of preservation — They serve to convince me that the common opinion as to the difficulty or impossibility of pre-

serving good specimens in Southern latitudes, is altogether erroneous — a little more care and attention is all that is requisite; and Dr. C. appears to be one of those persons who act upon the very wise principle, that "whatever is worth doing at all, is worth doing well." — I am vexed beyond measure when I receive specimens of most interesting plants, in such a miserable plight as to be not worth the keeping. Your appendix on this head I hope will do some good among your readers. — And to this chapter, at least, I can furnish you I think some useful additional matter. In this part of the Science, or rather art of Botany, I have the vanity to believe that I know "a thing or two" more than your Magnus Apollo, Lindley; whose instructions to travelling botanists are not worth a copper!

Be so good as to say to Dr. Torrey that I recd. a few days ago his long expected letter which I will ere long reply to; but in the meanwhile I shall look with much impatience for his Monographs of Gramineæ &c. which he is so good as to promise me. When shall I have the pleasure of expecting the parcel of plants which you have been so kind as to promise me? — I sent to Dr. Torrey, some year or two ago, two folio sketches of desiderata from his Compendium, which if he has not unaided will assist you in making out a bundle for me — any Southern or Western plants not in my Catalogue, which you may have to spare, will however be most acceptable — very truly and respectfully, I am, dear Sir, yours
Chas. Short.
Dr. Gray.

Doctr. Ann Gray
Lycæum of Nat. History
Broadway near Prince St.
City of New York.

Dr. Pitcher send your Ludwigia obervia
near Detroit!

Louisville, Ky. May 28.th 1844.

Gentlemen —

I have been culpably remiss in not acknowledging long before this your joint letter of the 22^d & 24th of February, which has of course been for some months before me; and which contains, among other things, a very satisfactory report on the last parcel of Composites I sent you. Among these I am much gladdened to find that you have associated my name with a very beautiful species of *Solidago* common on the Rocky islands of the Ohio at the Falls. — It is somewhat curious that this same limited locality should possess the habitat of three rare plants, two of which are new, viz the *Solidago* in question, your *Psoralea bracteolata*, and *Hypericum sphaerocarpum*. They occupy almost exclusively a tract of rocky waste which is submerged for half the year, during which time it is swept over by a furious current, under which no plant could maintain a footing but by striking its roots deep into the fissures in the rocks. — In company with them are found *Desmodium virginicum* — a few perennials, grasses and stunted willows.

I was much gratified by the perusal of Dr. Griseb's account of his botanical tour in the N. of Virg^a and N. Carolina — the more especially as he seems there to have met with so many of my Kentucky acquaintances; but I regretted that his explorations did not bring to light the

the questionable specimen. Is it entirely certain that the unique specimen in the Michauxian Herbarium may not be an anomalous specimen of *Pyrola rotundifolia*, with one flower?— Can Dr. Gray furnish me with a sketch from recollection of the plant, or procure a drawing from it by some Parisian artist?— With such a guide I think I could have the matter settled out by means of the numerous acquaintances I have in North Carolina. If it nevertheless, is to rest on my shoulders I fear its destiny will long be among the plantae incognitae of our Continent.

We are all looking very impatiently for the arrival of the 2^d part of your second volume, the publication of which has been announced long enough ago for it to have reached us. Dr. Gray's new elementary work too, is eagerly expected by all who take an interest in the Science, and who feel that nothing has yet appeared from our press worthy to meet the wants of the beginner. I trust that this Hand-book will prove the very thing we need. If his Publishers will send out 100 or 200 copies to some of our Bookellers, I will do what I can to promote its sale among our medical class.

I sent a few days ago to Mr. Indeh Dobson, Phil^a: a box containing among other things a parcel of plants for yourself, with one for Mr. S. B. Buckley, of Alabama and another for Prof. C. Dancy. That for Mr. B. he requested me to send to your care; and that for Mr. Dancy I must beg the favour of you to forward to him, for really I

do not know precisely where he lives. When last he wrote to me, more than two years ago, he lived at Rochester. In the parcel directed to yourself, are a good many things about which I entertained some doubts. Those of any interest to yourself, you will of course retain. The others you will please name and return to me. Among them you will find numerous specimens, in good order, of *Solidago Shortii*. The *S. repens* of Raf., which I have confounded with this, I have lost. Can you supply me with a good specimen, or point me to its location?

I do not expect to be idle during the present summer, and as I shall spend a considerable part of it in the country, I hope to collect largely. Even for this collection may be of interest remain to be seen: at all events I will promise you a full portion of it.

Very truly and respectfully,
I am yours

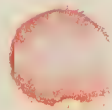
L. C. Shreve

P.S. I requested Mr. Dobson to forward the three parcels named to New York for you, to the care of Wiley & Putnam.

Dr. Torrey & Gray
New York.

W. L.

Wm. L. Lacey & Co.
City of New York



Louisville, Ky. Dec^r 26th 1842.

My dear Sir -

I owe you many apologies for having so long postponed an acknowledgment of the receipt of your favour of the 6th Oct.; nor do I find by reference to my epistolary memoranda, that I have ever replied to your previous communication of July 23^d! I hope, however, for the honor of the botanical character, that I have not been so shamefully remiss in this particular, and that my punctuality in replying to that favour has been more manifest than my accuracy in noting it on my memorandum book. For fear, however, that I may be deceived I beg you to accept my best thanks for the present of your very admirable "Botanical Text Book"; and the remarks which you have been so kind as to send me on my last parcel of Kentucky Plants. Your book is truly a very excellent and beautiful thing: it needs only a coloring of the plates to be in all respects as pretty as "Sindley's Lady's Botany", whilst it is altogether a more lucid exhibition of the mysteries of the natural system. In a few Lectures, which I am in the habit of delivering on the Elements of Botany, as preliminary to my course on the Materia Medica, I refer'd frequently to your work; and it was much gratified to find that such of our students as have indicated any of my ardour in the cause are delighted with the "Text book".

I am truly pleased to learn that you are so pleasantly located at Cambridge, where your time and your talents may be exclusively devoted to the advancement of our favourite Science. From your ability and enthusiasm in this cause we have much reason to expect a great deal to be done by you; and it will doubtless be a source of much satisfaction throughout our country, among your fellow-labourers in the same field, that you are now so favourable situated for the procurement and dissemination of that great desideratum—a complete knowledge of the Botany of our wide-spread continent. I need hardly say that I will be most ready and willing to communicate anything in my power towards the perfection of this great end. I regret very much that your last letter, indicating some desiderata in the way of seeds and roots of Western plants for the Cambridge garden, arrived at a time when my labours for the season in the way of collecting had ceased, and when my time was otherwise so fully employed, that I could not attend to your request. Should a mild spell of weather occur during the winter, I intend devoting a day to your service, in collecting the roots of Podalepis bracteata, Solidago Shottii, Hypericum sphaerocarpum, Helleoerthus tomentosus, Brachychata cordifolia, Aster Shottii, &c. all of which are to be found within a few miles of this place. They shall be packed and sent as you direct, via New Orleans to Boston, and I hope will reach you in time to be planted in the spring. In the mean time, however, I will thank you to furnish me with the name of some house in Boston, to which I may direct the parcels.

I can

also furnish you with seeds of several of the species you have indicated, as Nelumbium luteum, Oscular glabra, Gonolobus macrophyllus, Carex Shottii, C. stenotaphis, and Virgilia lutea, a beautiful tree peculiar, I believe, to the cliffs of the Kentucky and Cumberland Rivers, of which I was so fortunate as to procure a quantity of perfect seeds during the last autumn. These shall be included in a parcel of dried specimens which I intend for you, and which I propose sending by the usual route, viz. to Philadelphia to the care of Dr. Judah Dobson. I hope to be able to forward them to him, in company with other parcels of the same kind, about the 1st of March. You ask me for the names of some individuals in the West and South, who are likely to aid you in the procurement of plants and seeds for your garden. At present, I can think of but two who are known to me as cultivators, as well as amateurs in Botany. — They are T. G. Lea, Esq. of Cincinnati, Ohio; and Dr. Chas. E. Lavender, of Hamistown, Autauga County, Alabama. The latter was my pupil, and if you will use my name in writing to him, I doubt not he will do all in his power to promote your wishes. He lives, as you know, in a rich region for objects of your desire. Besides these, it is probable that our friends Dr. Hales, of Louisiana; Dr. Englemann, of St. Louis; Prof. J. P. Carpenter, of New Orleans; Mr. Lapham, of Milwaukee, Wisconsin; and Mr. Sullivan, of Chester, O. might all render you valuable assistance. The last named individual is a man of fortune—a rare gem among naturalists!—and backs his ability by a most ready and obliging willingness to render all aid in the advancement of our common cause. Mr. Sullivan possesses other qualifications as rarely

united

renowned, I believe, to wealth, as wealth is to the pursuit of science,
he is indefatigably industrious and laborious; so that I think
you may expect more from him than from any other western
Naturalist. I regret to learn from yourself, as well as
from Mr. Buckley, that he has returned from the mountains of
North Carolina without having rediscovered the plant which you
have done me the honor to dedicate to me. Is not the failure of

1842

Dr. Gray, M.D.
Professor of Botany, &c.
Cambridge,
Massachusetts.

his search, as well as, that made by yourself during the preceding sea-
son, some proof that the apothecary was undeserved? And is it not,
at least possible, that the solitary specimen which you found in the
Herbarium of Michaux at Paris, may have been found by him in
some other country? The Father, I believe, travelled, extensively, under
the auspices of the King of France in various parts of the world. The
length of this letter will, I hope, make up for all past delinquencies
in this line; whilst I assure you in conclusion of the great
regard and esteem of Yours C. W. Sherb.

Friend

W. ² Allen

Louisville, Ky. March 8th '43

My dear Sir—

I did myself the pleasure of writing to you about Christmas, last, in reply to your favour of the 6th Oct. then just received! I now trouble you again mainly for the purpose of informing you that I yesterday placed in the hands of Marton & Grinwald, Bookellers of this place, a parcel of seeds for you. They are those of plants peculiar in a great degree to this region, as the Sweet & foetid Buckeye — the Kentucky Coffee tree — Virgilia or Cladrastis — Several species of Carya &c. &c. &c. Mr. & J. are preparing a box of Books for Mr. Murphy, Bookeller of Boston, into which they have promised me to put your parcel; so that I hope you will receive it before planting time is over. I have been sadly disappointed in my expectation of getting for you the roots promised in my last letter. The winter has been one of unprecedented severity; and even now the ground continues so solidly frozen as utterly to preclude the possibility of procuring them. I will, however, certainly send those mentioned, and I hope some others, in the fall. Indeed, through all my ramblings this season I will bear your Cambridge garden in mind.

I received a few days ago a letter from

Prof. Meisner, of Basel, Switz. under date of the 8th
Decr. in which he informs me that he had sent to New
York, in a box directed to yourself, a parcel of Plants and
seeds for me. As he speaks of having despatched this
from Basel towards the end of July last, I am fearful
it has been lost. Can you tell me anything
about it? Should it fortunately reach your hands I
will be greatly obliged to you to forward my portions to
this place, either through Wiley & Putnam, of New York,
or Judah Dobson, Phil^a. A former parcel of specimens,
chiefly from the Alps of Switzerland, sent me by Prof.
Meisner was of so interesting a kind that I should be
very sorry to lose anything coming from him.

Is there any particular service I can render
you in this quarter during the present, or rather approach-
ing season? — If so pray command my services. I have
on hands a parcel of dried specimens intended for you;
but I have not leisure to complete it just now, or in
time to go with the seeds. — Among them are specimens
of a very large-headed-Carex, allied to C. vulpina,
but much larger and with differently formed seeds. — It is
entirely unlike anything in my collection, nor do I find
any description to fit it. From its bristly and hedge-hog
appearance, I have thought it might be your C. hystrix,
which I believe is not published yet. On the opposite side
is a rough sketch of the natural size. — I never met with
it before this season, and then but in one locality.

Very truly & respectfully yours C. W. Short.





Prof. Dr. Gray, M.D.

Cambridge,

(Mass.)



And

Louisville, Ky. Nov.^r 19.th 1843.

My dear Sir—

You two several communications of March and May last, reached me in due course; but as they related mainly to matters on which I had written to you shortly before, I did not think it necessary to trouble you again, until I had something of more importance to mention. Perhaps, however, I should have informed you sooner, of the safe arrival at my hand of the parcels from Prof.^r Meisner of Basle, which you had the goodness to forward. No apology was necessary for your having taken out some portion of the seeds he sent me. Such things I regard as almost public property, when they fall into the hands of those who make a proper use of them. I am sorry, indeed, you did not retain a larger part of them, for they did not reach me until near mid-summer, and consequently too late to be sown; and I fear that some of them may be too old to vegetate by another year. This I should much regret, as I am very curious to cultivate some of them, and especially the medicinal ones, of which the package contains a considerable number, and among them four or five species of *Digitalis*. Besides these seeds I am indebted to Prof.^r Meisner for a large collection of the plants of Switzerland; together with near 300 species of Pyrenean plants from M.^r Shuttleworth, of Berne: for all of which I shall make them full returns in due time.

I am happy now to inform you that I have just fulfilled a promise, made to you some time ago, by sending to you, for your Cambridge Garden, the roots of several plants from this neighbourhood, in some degree peculiar to it. — These are 1st *Aster Shortii*, 2. *Poralea bracteata*, — 3. *Vicia Caroliniana*, — 4. *Solidago Shortii*, — 5. *Brachychata cordata*, — 6. *Hypericum sphaerocarpum*. of each of these species an abundant supply was obtained, except the *Poralea*, which growing in deep fissures of the Rocks at the falls of Ohio, is gotten out with extreme difficulty; and in consequence I was able to obtain but a single root. The whole was carefully packed in moss, enclosed in a box, and sent, via New Orleans, to the care of Mr. Alijah Fisk of that place with a request to forward it by the first vessel to Boston. Mr. F. will be so good, moreover, as to inform you by letter to whose charge in Boston the box will be consigned; so that I trust no unnecessary delay will occur in your getting it. It left this, two days ago, and should reach N. Orleans in 3 or 4 days more. Should it come to your hands in good order I will be greatly obliged to you to send such portion of these roots as you can conveniently spare to Sir W. J. Hooker. He has frequently asked me for plants of our Western country for the Garden at Kew, and no doubt these would be highly acceptable to him. — If they all live there is enough in the box to stock all the Gardens of Europe! — They are each numbered, as in the enumeration above, so that you can readily distinguish each parcel.

I am very anxious to know what progress is making in the *Flora of North America*? — Can you tell me when another part will be published? — Can you inform me whether Mr. Buckley has yet returned from Florida, and what success has attended his explorations in that Land of Flowers? — I have for two or three years past lost sight of a highly valued correspondent in that interesting region — Dr. A. W. Chapman. — can you tell me what has become of him? — Is the 8th volume of DeCandolle's *Prodromus* yet actually published?

I spent the greater part of the past summer at one spot in the country, a few miles below Cincinnati, on the Ohio River, where I am engaged in forming a summer retreat; and where I devoted a good portion of the time to Botany. I cannot, however, boast of having found anything new, although I made a considerable collection of the plants of the neighbourhood. This will explain to you the reason of your finding, in the next parcel of Plants which I may have the pleasure of sending you, so many of them labelled, — "Hab. Fernbank, — ad ripas fluminis Ohio, prope North Bend." I have given, as you see, to this place a botanical name derived from the great number and variety of Ferns found within a very limited space, on a densely wooded bank. Here I have already detected *Aspidium lenue* — *A. Goldianum* — *Asplenium angustifolium* — *A. thelypteroides* — *Asmundia interrupta* — *Anoclea sensibilis* — *Pteris aquilina* — *Aspidium acrostichoides* — *A. Schwebelii*, and another undetermined! — *Adiantum pedatum*, and two or three *Equisetæ*.

Could you furnish me with a drawing, from memory,
of the unknown plant which you found in the Herbarium
of Michaux at Paris?—and which you have done me the honor
to propose calling Shortia. Having a number of acquaintances
among the medical men of North Carolina, I may probably induce
some of them to look for it among the mountains of that State.

Single

JP

Asa Gray, M.D.

Professor of Botany, &c.

Harvard University

Cambridge, Mass.

A sketch, however, rude would assist such of them as have
no Botanical knowledge in finding it. Mr. Buckley, as I un-
derstand from him, is inclined to think that it must be an
early vernal plant.— Have you seen Dr. Darlington's very in-
teresting memoir of Dr. Baldwin?—Our favourite Science lost much
by his early death.— Very Respectfully, my dear Sir,

I am yours C. C. Short.

Ans'd
Apr. 16.

Louisville, Ky. Dec. 25th 1845.

My dear Sir.

On looking over my epistolary memoranda, I find that, I have not acknowledged the receipt either of your two letters of Aug⁶— and Sept.^r 30.th or of the copy of the *Enumeratio Plantarum Lindheim.*— for all of which I do very kindly and cordially thank you. I delayed in part to write to you because I wished to inform you when I did so, that I had forwarded the roots &c. which I have so long promised, and which I had intended most fully to have done this fall. To this end I collected and carefully packed in moss all those which I thought would be interesting to you around my summer residence in Ohio; which I brought down with me to Louisville, intending to add largely to the collection from the neighbourhood; and for this purpose visited two or three different localities, at some distances apart; but when I came to add all together I feared the season would be too far advanced before they could reach you, to be committed safely to the ground this winter. I therefore buried them in a light soil, and now propose disintering them very early in the Spring, and forwarding them to you Direct— via Pittsburgh, New York &c. So that I am
in

in hopes they will reach you in good condition by the first of April - in time for your Northern spring planting. Can you give me the names of any house in Phil^a or New-York, which it would be best to direct to the care of?

On the rec^t. of your last letter I immediately wrote to Mr. Carey, offering him any assistance in my power towards making up his great loss in the way of plants; but my heart failed me in attempting to express to him my sympathizing sorrows for his sore family bereavements! - I trust that I shall be able, by the spring, to send to him quite a large collection from my duplicates, which, as he begins again de novo, may be acceptable to him. - As I expect to make up a considerable box for him, how would it answer to send yours in company, directed to him? As his I will enclose to you a few seeds, which I suppose it would not do so well to pack with the damp roots.

I have done but little in the way of botanical collections during the past season, having spent nearly the whole season at my country place of Fernbank, (on the Ohio, near Cincinnati,) in horticultural and agricultural pursuits. - Indeed at my time of life, (now 51) not much more can be expected of me in the way of active out-door labours. In my day, I think, I have done something toward making known to others

others the productions of the region in which my lot has been cast; although I have never aspired to any higher claims among American Botanists than that of ^{being} a mere collector, and of distributing with no niggard hand among others, whatever may have fallen in my way. But having done this, and having exhausted the field within my reach, I must now cease from my labours, which I trust others more industrious, more zealous and more competent, will take my place. Our friend Sullivan, who has youth and fortune on his side, will I doubt, not do much more for the Botany of Central America than I have ever been able to accomplish.

My Hamburg correspondent, Dr. Steetz, enquires very anxiously of me when another part of the Flora of North-America may be expected? - an enquiry which you doubtless have put to you very often, both from home and abroad. - Dr. Torrey has quite drop'd me for the last year or two, although I think he owes me one or two letters. - I have tried in vain to obtain a copy of his Report on the Botany of N. York - May we not expect a rich addition to our Flora from the present expedition of Lieut Fremont. - When will the Botanical Report of Wilkes' Expedition be published?

Very truly and respectfully

my dear Sir, I am yours

C. C. Short.

See

DEC
27
1871

Barney has
acknowledged arrival
of Dr. Gray, M. D. Prof. of
Harvard University
Cambridge.
Mass.

Louisville, Ky. March 11th 1846.

My dear Sir -

I have at length the pleasure of informing you that I have just finished packing a box of living roots for you, which I shall send off in the course of a day or two, and which I hope will reach you before the spring opens in your hyperborean regions. They are numbered as follows - viz.

- St - No. I. *Solidago Shortii*,
St - " II. *Brachycheila cordata*
No. - " III. *Aster Shortii*,
No. - " IV. *Trudercantia flepura*, Raf. Pot
No. - " V. *Enemion alternatum*, Raf. Pot.
No. - " VI. *Meconopsis diphylla*, - Pot
- " VII. *Aspidium bellidifolium*
St. - " VIII. *Asplenium argentifolium* &
- " IX. *Miscellanea isognata*.

As there are numerous roots of each one of the above species, I hope that many of them will survive transplantation and that your gardens will be abundantly stocked with these at least. I had hoped to have added several others, from the Rocky island of the Falls of Ohio, but they have been all submerged for several weeks, and I do not like to delay sending these until the water falls.

Cincinnati. O. March 13th 46

Dear Sir—

I have brought up to this place your box of roots and put it in the charge of Greene & Co's Express line, which promises to forward it with all dispatch, so that I trust they will reach you in good order for planting—

Along with your box goes one of dried plants for your friend Carey, which I have directed to "N. 90 Pine Street, New York", and which I hope will reach him safely—

Very Respectfully & truly

I am yours.

Chas. Short

The box is directed

"Prof. A. Gray,

Cambridge,

Mass."

23 Zanthoxylum sp.

24 Achillea millefolium

25 Silene acaulis

26 Dracopis sibirica

27 Asarum canadense

28 Polygonum viviparum

29 Rubus hispida

30 Amaranthus

31 Sium

32 Thalictrum

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48

1. The Vinea

2. Hydrangea nica

3. Silene rigida

4. Tr. cristata

5. Silene canadensis

6. Anemone latifolia

7. Omnula maritima

8. Pyrenanthemum

9. Parnassia

10. Parnassia

11. Lobelia

12. Lobelia

13. Lobelia

14. Lobelia

15. Lobelia

16. Lobelia

17. Lobelia

18. Lobelia

19. Lobelia

20. Lobelia

21. Lobelia

22. Lobelia

23. Lobelia

24. Lobelia

25. Lobelia

11

Prof. A. Gray.
Cambridge
Mass.



Louisville, Ky. August 28th 1847.

My dear Sir —

Early last spring I sent to you a small parcel of Mexican plants addressed to the care of Wiley & Putnam and I have just now forwarded a very large bundle, collected in various parts of that country from Santa Fe to Beemer-Vilas; and from the coast westward as far as Chihuahua. This collection was made by Dr Josiah Gregg, whose book on "the Commerce of the Prairie" — the result of a long residence in various parts of New Mexico and frequent journeyings between the western outpost and Santa Fe — you have no doubt read. Although making no pretensions to a knowledge of Botany, yet as an amateur in all the natural sciences, he availed himself of the guard and escort of various detachments of the army on different marches through that country, to explore its productions; and the present parcel, which he has had the kindness to present to me, is in part the fruits of his ardour in the collection of plants — you will find I trust most of the specimens characteristic and well preserved. — Dr G. has added a label to each, indicating the localities, height, time of flowering, comparative abundance or scarcity, provincial name, medicinal & economical uses. ^{&c.} So that I trust you will find it altogether a very interesting parcel of plants, from a comparatively unknown region. I will only further remark on this

head that similar parcels to this were presented during the
present summer to Dr. Engelmann and the American Institute
of New York, the latter of which you may perhaps have seen.
I forward my share with great pleasure to you in the hope,
and confident hope too, that you will find in it some addi-
tional materials for the Flora of N. America, which, of course,
it is the wish of all Botanists to be as complete & comprehensive
as possible. Should you find anything new in the collection
I need hardly express a hope that you will, in the name,
commemorate the Discoverer whose labours in the cause, and
at considerable price, deserve to be remembered.

I observe in looking over the parcel that there
are several duplicates of all the more interesting specimens,
and I have to ask the favour of you that, after examining
them and retaining such as you may need for your own pur-
poses, that you will return me the residue with their names.

The bundle is very securely put up and directed
to "Dr. Torrey & Gray, care of Wiley & Putnam, New York" —
I have forwarded it through Mosow & Griswold, Booksellers
of this place, to their correspondents in N. Y., so that I hope
it will reach you safely & speedily.

Be pleased to let me hear of your getting it,

I Believe me very truly & respectfully
Yours Ch. C. Short.

When may we look for another part of the Flora?

2

2

Prof. A. Gray, M.D.

Cambridge,

(Mass.)



Hayfield, near Louisville, Kentucky }
January 20th 1850. }

My dear Sir—

On returning home from Philadelphia a few days ago, I found the enclosed communication, which had come during my absence. As it bears the Cambridge P. mark, and as, I think, I see marks of your autograph in the Direction of it, I take the liberty of enquiring of you whether you know the writer, or anything of this note?— Like the most of foreign communications with which I have been favoured, I have much difficulty in decyphering it, and would therefore be obliged to you for a plain translation of it— If the writer be a worthy recipient, I can make up a parcel of our Western plants for him, during the winter; but I cannot undertake to promise that it will contain many of the rarer species, much less many "Dionaea, Sarracenia, Helian—?" &c.

It has been a very long time since I have been favoured with a letter from you, though I find abundant excuse for it in your many pressing and more important avocations. As for my poor self, much sickness and sorrow in my family, during the past summer and autumn, have rendered these seasons worse than a blank in my existence. As to Botany, I had not the heart to pick a flower, much less to leave home on any excursion; and although at my time of life, anticipations of the future are much less bright and promising than they used to be, yet I cannot altogether deny myself the pleasure ^{hoping to} of doing something more in the cause of our delightful pursuit, before I go hence and am no more. —

I see by the papers, that the 2^d. vol. of your Genera
has been some time published, and the pleasure which I derived
from the first vol. makes me very anxious to have the second.
The publishers sent me 2 copies of the 1st. vol. and I had hoped
they would have followed them with the succeeding ones as
fast as they were published. May I beg the favour of you to
remind them of this? — Morton & Griswold, Booksellers, Louisville
Ky. whom I paid for the first, will no doubt deliver and receive
payment for the 2^d.

A short time since Dr. Engelm. sent me
a second parcel of Fendler's Plants, being a much larger bundle
than the first. He informed me that you were at work in
describing and naming this collection, in which, among many fami-
liar forms, I see many other things which are new to me. May I
beg the favour of you to send me a copy of your observations
on this parcel, as soon as published?

Can you give me any information as to the
probable time at which we may expect the remaining parts of
the 2^d. vol. of your N. Amer. Flora? — If this, with the Index to that
vol., were completed, we might afford to wait your leisure for the
remaining vols. — I am truly much pleased to learn that you
have sent a collector to Mexico — My friend Dr. Gregg is still
there, but his want of Botanical knowledge greatly abridges the
usefulness of his labours.

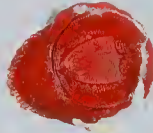
Hoping to hear from you soon, I remain,
my dear Sir, very truly your obliged and grateful friend,

L. C. Shorth.

P.S. — I had the pleasure of meeting Prof. Hensley, in Phil^a, who
promises me a visit as he returns from the South, in the spring.



Prof. Asa Gray
Cambridge;
(Mass.)



near Louisville, Ky. March 13th 1838.

My dear Sir—

Your kind favour of the 30th Jan. reached me in due course of mail, and should have been sooner acknowledged but that I have been quite busy in distributing a considerable accumulation of duplicates, into several parcels for different individuals—among these one is for our friend M^r. Carey of N. York, — a 2^d. for Professor Harvey of Dublin—a 3^d. for D^r. Steetz of Hamburg, and a 4th. for M^r. Reichenback, J^r. of Dresden.— These I shall send off in a few days in one package, to M^r. Carey, directed to "Carey J^o. 90 Pine St New York." and will take the liberty of requesting M^r. C. to have the three latter parcels forwarded to yourself. This I do in part by your kind offer to take charge of that for Reichenback, and to forward it to your agent in Hamburg, M^r. Rödiger. I thought at the same time it would give you but little additional trouble to send the parcel for D^r. Steetz to the same person; and I supposed, moreover, you would see M^r. Harvey as he returned from the South. These reasons, I trust, will be some apology for troubling you with these several commissions. Perhaps M^r. Carey may be able to send the two parcels for Hamburg, direct from New York, without troubling you with them. Please to arrange this matter with him. I shall write to him when the package leaves this.

I am sorry to inform you that I have neither rec^d. your Genera vol. II. from your publisher, nor y^r. printed Sheets of Lindheimer's plants from yourself — I trust, however, they will not fail to reach me when they are forwarded. I should be much pleased to have a set of Wright's plants, provided you will inform me how I shall pay for them. I am truly gratified to learn that you have undertaken the Botanical part of the late U. S. Exploring Expedition; and hope that when you are in Paris you will take a drawing of the unique plant you have done me the honor to name from me. I think with the aid of a correct sketch of it, I could have it re-discovered, by some of the many young doctors with whom I am acquainted in N. Carolina — if indeed the plant was ever found there. I had the curiosity to purchase, at a seed store in Phil^a this winter, a small paper of flower seed labelled Shortia Californica, which seem to be the seed of some small Symplocaroides affair. — Do you know anything about it? — or is it a mere Gardeners' license with the Queen's Latin or rather Dog Latin.

So, we are not to expect the completion even of the 2^d. vol of the Flora, for a long time! For one, I would rather see this work finished than the Exploring Exp.ⁿ and I fear if you wait until all the plants of the interminable West are brought in, that neither of us will ever see the end of it. But you know best, and I submit. Very truly, my dear Sir,
I am yours, C. W. Short.

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with
the
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Prof. Asa Gray, M. D.

Cambridge

Massachusetts.



near Louisville, Ky. Dec^r 16th 1851.

My dear Sir—

I have been intending ever since I heard of your arrival to write to you, offering my congratulations on your safe return, and your happy recovery from the untoward accident which befall you during your absence. I hope, with this exception, that your voyage and sojourn in Europe were altogether agreeable and instructive.

A few weeks since I had the pleasure of seeing your well known hand in the direction to me of a short note from Reichenbach, Jr., for which I thank you.

During your absence I had the pleasure of meeting, for the first time in my life, with our friend D^r. Toney, whom I have known so long but never had the happiness to meet with before. He was so kind as to offer to go with me to the "Quaker bridge" and "Pine Barren" of New Jersey, which, you know, are classic grounds in the annals of American Botany; but melancholy tidings from home compelled me to return precipitately, without even having time to apologize to D^r. Toney for breaking the engagement to meet him in Philadelphia.

From him I learnt that Mr. Charles Wright was in pecuniary straits, in some part of New Mexico, and I placed in D^r. T^s hands \$100 to be forwarded to him, which I hope may entitle me to some small share of his collections. Can you

tell me whether he has lately been heard from, and what success has attended his late explorations. I made these enquiries, during the past summer, of Mr. W. S. Sullivan, but I have not been favoured with a reply from him.

Since we have received intelligence of the lamented death of poor Gregg, Dr. Engelmann has several times urged me to prepare for publication, in some of the Eastern Journals, a memoir of his life and services in the cause of Natural Science; — this tribute I consider well merited by one, who, under so many untoward circumstances, showed so great a devotion to the cause; and who Doubtless, had he lived, would have done so much. But really I knew so little personally of him, or of what he had done in the field of Botany particularly, that I rather declined the effort and endeavoured to prevail on Dr. Engelmann to undertake it, as being much more able to render such a memoir satisfactory and creditable. This, however, he declines to do, and I suppose I must, therefore, attempt it myself. To this end I must beg your aid. Did you ever dedicate to him another genus after the failure of the *Cowania*? Did you ever see a large parcel of plants which he left with some institution in New York, on some of his returns from Mexico? — In this or in other parcels which you have seen of his collecting, do you remember what novelties were contained? — On these, or any other points, relating to him or his labours I should be greatly obliged for any information you can give me.

My health has suffered so much, during the extreme heats of the last two or three summers, that I am extremely anxious to spend the hot months next year in some cooler region; and with this view my attention has been turned to the mountains of North Carolina; not only on account of their lower temperature, and greater healthiness, than our miasmatic country, but more particularly in reference to their Botanical interest. To this end I should like to locate myself in some portion of that mountain chain which would seem to promise most of interest and novelty in the way of plants. You have made, I think, two excursions over those regions, and I should like, therefore, to avoid the routes which you took, for it would be folly in me to follow in the footsteps of yourself, Mr. Sullivan, Mr. Carey, and others, with any hope of meeting with anything which had escaped your observation. Will you, therefore, have the goodness, at your most perfect convenience, to indicate to me some of the points of promise which you did not visit. As for a rediscovery of the *Shortia*, that I have no hope of, and must content myself with that Apotheosis which you so kindly, but I must think so undeservedly, intended for me.

Excuse this long and gossiping letter. I should not have trespassed so far on your more precious time; but before closing I must enquire whether we may not look for, soon, another number of the *Flora*, or another volume of the *Genera*?

Prof. Gray.

Very truly, my dear Sir, I am your obliged friend.
C. W. Short

Prof. Gray
Cambridge.

1. 11. 1871

He is a very good man.

Money in hand 100. 52

My 10 11

42

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

New York, Sept. 5.th 1852.

My dear Sir—

Since addressing you a note on the 16th inst. from Boston, I have spent ~~I have spent~~ two weeks with my family at the Long Branch in New Jersey, from which place we returned a day or two ago. Tomorrow, or the next day, I go to Philadelphia, but propose returning here by the end of the week. Should it therefore be entirely convenient to you to send the late publication you have made on Mexican and Texan Plants to Putnam's Book Store for me, by that time, I will get it and take it home with me. By the way, I saw at Putnam's a volume of DeCandolle lately recd for you.

My ill-luck still pursues me, for I have been so unfortunate as to miss seeing Dr. Torrey, when I passed through the city, two weeks ago, he was absent; and now I understand that he is at Princeton, attending his duties, there. Thus have I been deprived of the pleasure of meeting with him here, yourself at Cambridge, and Ed-

Prof.^r Gray,

Cambridge

went at Columbus; but I have had
the satisfaction of finding Mr. Cady at
home, and have enjoyed two very pleasant
interviews with him. — I intend paying
my respects to the American pastor of Bo-
tany, Dr. Darlington, by going from Phil.^a
to West Chester, expressly to see him.

Again and most deeply regretting
that I have not had the pleasure of
forming your personal acquaintance, I
am, my dear Sir,

Most truly yours,

Chas. W. Short.

Prof. Asa Gray
Cambridge.

near Louisville, Ky.
Nov^r. 12th. 1852. }

My dear Sir—

Ever since I had the pleasure of receiving your agreeable note of the 8th September, in New-York, I have been intending to acknowledge it, but the hurley-burley of travelling, and many little engagements at home, since my return, have conspired to prevent it; but I am now constrained to the discharge of this duty, so long neglected, by the receipt of your favour of the 5th inst. which reached me this evening. — I thank you most kindly for the pains and trouble which you have taken to prepare for me a set of Mr. Wright's Plants, and I shall take measures immediately to have it sent from Little & Brown's. I have not, I think, before, expressed to you my great obligations for the copy of Plantæ Wrightianæ, which I had the pleasure of finding at Putnam's. Do I understand that the copy which you have been so good as to enclose in

in

Prof^r. Gray,
Cambridge

the parcel of plants, differs from the former publication?

Did you receive a communication from me in June last, with a few leaves and seeds of the *Fraxinus quadrangulata*? The specimens, I fear, were very unsatisfactory from the crowded manner in which they were packed; but should you desire them still, I could now send you much more satisfactory ones. I am not well assured how many other species we have in this quarter, but the *F. lanig.* is one of the most common trees in our best lands. You are aware, I presume, that Mr. Clay's famous seat of Ashland derived its name from this tree. About the Falls of Niagara I met with two species which I think are not found hereabouts; one of them is probably *Fr. sambucifolia*.

I am very sorry that Dr. Foney's report of Sundgren's mission to the mount.^s of Carolina, is so disheartening. The poor fellow

has not been heard from since about the middle of August, when he left Ashville going South; and fears may, therefore, be reasonably entertained that he is either very sick, or lost, or dead! Both Dr. F. and myself have written to individuals residing in that quarter, making enquiries for him.

It would have afforded Mr. Short, my Daughter, and myself very great pleasure to have accepted your very kind invitation to return to Cambridge and spend some days under your roof; but our long absence from home, and the approach of winter compelled us to turn our faces Southward. —

Enclosed herein I send you a small specimen, picked up by my son in law, Doct^r Butler, who is no Botanist, in riding over the Prairies of Texas last Spring. It seems unlike anything that I have in my Herb^m.

Very truly and gratefully, my dear Sir,

I am yours.

D. Gray.

C. C. Short.

Near Louisville, Ky.

February 3rd 1853.

My dear Sir

Your favour of the 10th instant, was received some time ago, and I am much pleased to learn from you that the forthcoming part of your Plantae Wrightianae is progressing so well through the press. I quite long to have it, that I may study and understand the originals.

Prof.^r Gray
Cambridge

The Duplicate N^o. of the first Memoir which you had the kindness to send me, I presented, in your name, to Dr. Peter, with the explanation and apology which you had given me for the mistake — He seems to have taken it in good part, as you will perceive by the enclosed note, in which he appears to think that he deserved to be "killed off," in consequence of his dereliction of Botany. I hope the rebuke may stir him up again.

The adventure of Dr. Toney and myself with Sundgren is likely to prove, if it has not already done so, a miserable failure; for from all the information that we have been able to obtain, he has run off with a few hundred dollars in his hands!— I do not mourn the loss of the money (about \$400) so much as I do the conviction to which it has brought me, that a Botanist, and a Swedish Botanist too, can be a knave, as well as the rest of frail humanity. Spirit of Linnaeus, what a slur on your amiable Science' and the land of your nativity!

Can you give me any information as to the geographical range of Michaux's Plenera ulmifolia?— I think he locates it in Kentucky, but I have sought in vain for it here. I had expected to find it in Barton's Garden, but it is not there.

Very truly and sincerely, my dear Sir,

I am your obliged friend

C. C. Short.

near Louisville, Ky. }
Feb 28th 1853 }

My dear Sir -

Mess^{rs} Little & Brown not having had occasion to send out any packages to Louisville, since you were so kind as to leave a second parcel of Wrights plants with them for me, I have just written to them requesting them to forward the parcel by express, securing it from injury by enclosing it in a light box.

If your forth-coming and Second Report on the Plantæ Wrightianæ is yet completed, you will greatly oblige me by leaving a copy with L. & B. to be forwarded with the Plants.

I had the pleasure of writing to you on the 3^d of this month, but have not had the gratification of hearing from you since - very truly, my dear Sir,

I am yours C. W. Short.

Prof.^r Gray
Cambridge.

My Dear Sir—

Your favour of the 28th Dec^r has this moment been rec^d. and I hasten to return the above check on the Bank of Pennsylvania for \$36.00, to make up the sum which I owe to M^r Wright for his New-Mexican Plants—there being no reason whatever that I should not pay ^{at} the same rate for them with the rest of his subscribers. Indeed, not having been an original subscriber, I should think myself very fortunate in being admitted to an equal participation with those who were.

The first parcel of 682 species reached me only a few days ago, and I was greatly delighted, in looking them over, to see so many things which were entire strangers to me; and I had only occasion to regret that more of them were not introduced to me by name. This desideratum, I hope, will be in a great measure supplied by your forth-coming Plantae Wrightianae.

Bookseller, Louisville, Ky.

Shall I present the extra copy of Past I. Plants
Wrightiana, which you have sent me, in your name, to Doctor
Peter? or return it to you?— Mr. Griswold, I am sorry to say
has nearly forsaken his first love, whom he wooed so warmly some
years ago; and I fear that my only other fellow labourer in this
field has become rather cool in his attachment to the same mistress—
— I allude of course to Dr. Peter.

Very truly, my dear Sir, I am your
obliged friend &c.

C. W. Short

Are not some of the plants of the parcel just recd? named
and described under Different numbers in the first part of the Pt.
Wrightiana, which you have been so good as to send me?— If so will
you not have occasion to refer to them hereafter under two or more
+ numbers?— I am sorry to perceive that you laboured under a
wrong impression in reference to Dr. Peter, who is alive, and from
all appearance likely to outlive either of us— so far as this mortal
coat is concerned. I presume you confounded him with Mr.
H. H. Eaton (a son of the old Professor of the Transcendental School,
who died in Lexington, some years ago, at a very early age, but
not before he had given promise of high attainments ⁱⁿ and ardent de-
votion to botanical pursuits.

The parcel of Mexican plants which you have had the good-
ness to appropriate to me, will reach me safely, if left, as you pro-
pose, at Little & Brown's, directed to the care of Morton & Griswold,

P. S.— I have neglected to mention that your friend, the young
Oxonian, has favoured me with a short call, on his way to the
Mammoth cave.

Prof. A. Gray, Cambridge.

Prof. Asa Gray
Cambridge,
(Mass.)



2. 2. 1871

Hayfield, near Louisville Ky.
June 24th 1853. }

My dear Sir,

It has been a long time
since I have seen a specimen of your
well known Chirography, until the receipt
yesterday of D^r. Harvey's Subscription Prospe-
ctus of Australian Algae; to which I have
affixed my name as a Subscriber, and
herein take the liberty of returning it to
you.

Prof^r Pray,
Cambridge

I enquired of you some time
ago about the Part 2^d. of your Plantae Wright-
ianae; but as our mails have been of late
in very great disorder, I fear you did not
receive the letter, and therefore I must
trouble you again with the enquiry whether
it is yet finished. If so I should be ex-
ceedingly glad to get it, but having already
taped your generosity too far, I will order
it, if published, through Putnam & Co of

New York, with whom I have an account.

Our friend Torrey has not written to me for a long time. I am quite curious still to know whether any developments have ever been made as to the history and mysterious disappearance of the Swedish Botanist, Sundgren.

You asked me last year to procure specimens in fruit of all the *Fraxini* of this region, which I could not do then in consequence of absence from home. This year I hope to obtain fruit of all kinds, as the season has proved unusually favourable for this purpose. Do you know the origin of a kind called by gardeners Golden ash, and another, named Weeping ash?—

Do you ever hear from Mr. John Carey— Please present my regards to Mr. Gray, whose acquaintance, I regretted so much having not been permitted to

make last summer.

Will you not attend the meeting at Cleaveland, Ohio, this fall?— If you do will you not extend the ride this much farther. If the "Great West" will not repay you for the trouble, I at least would be greatly gratified to have you under my roof for a few days.

Very Respectfully Yr

I am, my dear Sir, yours

C. C. Short.

Has Dr. Harvey finished his publication on American Algae?

Hayfield, near Louisville Ky. Nov. 10th 1833.

My dear Sir—

Your favour of the 28th ult. has recently come to hand.— Your previous one of July 1st came in due time^{also,} and was soon followed by the copy of *Plante Wrightiana*. I regretted that I had been so impatient to have the second part of this work, for by waiting a little longer I should have gotten the copy which you were so good as to leave at Little and Brown's, to be forwarded with the 2^d parcel of Wright's plants. The book did not, however, come with the plants, but was sent out some time after—hence my impatience. I have thus rec^d from you two copies of the 2^d part, as I had formerly obtained also 2 of the first.—one of these, as you may remember, I was directed by you to present to Dr. Peter, in your name. What shall I do with the duplicate of the second part?—and when may we look for a continuation of your remarks on the remainder of this collection?

Now for your last communication. I am heartily willing to purchase Berlandier's collection of Mexican Plants, if by so doing you and Toney should think I can subserve the cause of American Botany— But, of course, I decline at once all thoughts of publishing myself any part of the collection. Without access to any Herbaria, or any other than the most common books, and with no personal knowledge of the subject matter, it would be the height of folly for me to undertake anything of the kind. I had much rather place the entire collection in your hands, to be disposed of as you might think best: and to this end I would now send you

a check for the sum you have named (\$400,) but that you seem somewhat uncertain as to the exact price. you will please, therefore, consider yourself authorized to draw on me for the amt. when you have ascertained what the purchase can be made for, provided it does not too far exceed the sum you have named. — The draft may be made payable at sight at the Bank of Louisville.

So far, however, as pecuniary advances might effect that end, could I not more effectually and certainly subserve the cause of American Botany by aiding you in the completion of your North American Flora, or your Genera illustrata? — I am aware that such works in our community pay but badly, and without any positive information on the subject, I have apprehended that the unwillingness of publishers to incur the risk of loss, may have led to their ^{poor} portm^{ent}. If this be the case, and it should be in my power to obviate the difficulty, it would afford me great pleasure to do so. As for the pride of authorship, (even if I had the ability to become one,) I have none. In the earlier and active portions of my life, I was under the dire necessity of working day by day for daily bread; so that I had no time, from professional or professional duties, but for that of an humble collector in a field, which always had peculiar charms for me. Since that necessity has been removed, I have been too old to attempt the critical study of a science, of which I had only been an outside worshiper. — My fondness for this pursuit has been in no wise diminished by advancing years or by altered circumstances; and since I feel and know my own incompetency to the task of illustrating American botany by my pen, I feel the greater disposition to offer material aid to others, more fortunate.

To recur to the subject matter of your last letter - Was not Berlandier an apothecary, Pharmacien, or Droggiste at Metamoros? I think I have heard him spoken of, in no very favorable terms, by a medical officer of Genl. Taylor's army. If a resident of Metamoros, what opportunities had he of making extensive collections throughout New Mexico? Is it not probable that many of his plants are identical with those of Wright and others? -

— I have been sadly disappointed in my search, this season after the *Frasini*, having met with only three species, viz. *F. quadrangulata*, *F. Americana* ('*bicolor*'), and *F. pubescens*, and the latter without fruit! I had supposed we had more of them — But, the *Cladrastis* perfect its fruit in your garden? if not I can send you some from the cliffs of Kentucky River. I have also just rec^d. seeds of *Stemodia pentagyna* from the W^m of Ky. which I should be pleased to share with you. From Wright's seeds I have had fine flowering plants of *Tecoma stans*.

I know not whether most to rejoice or grieve to hear that our friend Carey is married to a young wife; for according to my observation — fortunately not my experience — young wives are rather questionable commodities for old men. At all events I fear we may look upon him as lost to American Botany. Hearing from himself by letter, shortly after parting with him in New York, that he was about returning to England, I wrote to him an affectionate letter of regret, at losing him so soon after having had the pleasure of forming his acquaintance, to which he has never replied.

And now, my dear Sir, I must close this long gossip by af-
firmance of highest esteem and friendship—very truly yours
C. Wharton.

Prof. Gray.

Prof. A. Gray,

Cambridge

Hayfield, near Louisville, Kentucky.
June 10th 1854. 3

My dear Sir:-

Your kind and obliging favour of the 24th Nov^r 1854, was duly received by me, and since that time several printed documents, directed to me in your well-known hand, (among them the interesting letters of Sussieu and Linnaeus,) have reached me. For these kind reminiscences of me, one and all, I beg you to accept my hearty thanks, and especially for the long and friendly letter above referred to. And although I have no reason whatever to ask for, or expect, a larger share of your precious time, yet I must plead in my own defence, and as my apology for having so long delay'd a reply to your last, that you gave me some reason to hope that you would "write again soon", in reference to Barlandier's collection. Have you heard anything more on this subject?— I still hold myself prepared to make the purchase of this collection, (if it prove as valuable as has been represented to you,) to be placed in your hand for the benefit of American Botany.— I can readily understand the difficulties and hindrances which beset you, in the want of competent assistants and draughtsmen—the latter especially, in this country, is almost an irretrievable want; and I should judge even in Europe were rare aves. Indeed, the only drawings which I meet with in English publications are done by Fitch, and Fitch alone! Can you not find some embryo artist of this kind, in some of the Calico-printing establishments of New-England?— If I could happen to have been born thirty years later, or you thirty years earlier, and if I could have had the good fortune to be bound to you in the capacity of botanico-mechanical apprentice, I think I could have render'd you a good turn, and you might possibly have made something out of me; for the most of my labour in the cause have been of the

variet

veriest mechanical hand. For instance, my Herbarium consists of about
— specimens, which were mostly gathered and preserved with my own
hands, (to say nothing of those given away,) put up in about 300 large
folio boxes, bound book-fashion, which I have been obliged to make my-
self, not being able to find in this country a mechanic who would make
them as I wished! —

With the load of labours on your shoulders which you have
enumerated, and with so few to assist you, I fear that I shall not live
to see the completion of your "Flora of North America", which is the elu-
sion thule of my hopes. I suppose, indeed, you will now be deprived
of what 'aid and comfort' you had expected from our friend Torrey, who,
I understand, has an appointment in the New York Erag office, which
will occupy a large portion of his time. I trust if we are to lose him
from the ranks of Botany, that he will be at least the gainer in a moral
point of view. Do you know what salary this office yields him? — I am
pleased to learn from you that Carey has sent for his library and Herba-
rium. For the ardour and interest which he manifested in the study of Ameri-
can Botany, I hope that he may long live to enjoy that pleasure from
his Transatlantic collections, which it afforded me to contribute to them —
'Hac olim mercedis gressabit.' — Is he not at least twenty years older
than yourself? — Why then should you limit the period of your 'best
labours' to the next ten years of your life, seeing that our friend is
still so youthful and ardent as not only to pursue Botany with devotion,
but to enter anew upon the sweets of matrimony?

I learn from your late letter for the first time that you have
no children; and perhaps you may think it strange, and perhaps unfeeling
in me, to congratulate you on this, which the most of married people re-
gard as a great misfortune. Of these, however, I am not one. My lot in

this particular has been very different from your own, and hence perhaps
I am the better qualified to offer you these congratulations. Ten children have
been born to me: of these I have buried four at the most endearing
age of infancy; and the remaining six have, with the exception of one,
all attained to the adult age. They are all as intelligent, affectionate, du-
tiful and healthy children as ordinarily fall to the lot of man. Four
of these are married, and have ~~already~~ presented me with twelve grand-
children, five of whom are already consigned to the tomb. A kind
Providence has blessed me with enough of this world's goods, to ab-
solve me from all anxiety, on this score, in regard to the wants of
my family. Am I not then competent to offer an opinion on the
matter in hand? — I do then honestly and conscientiously congratulate
you on your childless condition. It relieves you of cares, anxieties,
perplexities and solitudes, beyond enumeration. It absolves you from
the anxious vigils attendant on the sickness of your children — the ag-
ony of grief resulting from their death — the cares and responsibilities
connected with every period of their lives, from the cradle to the grave.

You are blessed, my dear friend, with a fond and affectionate wife,
one who must be a loving and confiding help mate. I beg you there-
fore to be satisfied with this blessing, without refining for those which
bring with them more pain than pleasure.

I trust that you will excuse the long homily I have
written, and, with my kindest compliments to W^m Gray, that you will
believe me the best well wisher both of her and yourself.

Very Respectfully and truly I am, my dear Sir,

Yours C. C. Short,

Prof. A. Gray.

Prof. A. Gray
—
Harvard University

Hayfield, near Louisville, Ken.

July 21st 1854. }

My dear Sir

I wrote to you on the 13th of this month, in reply to yours of the 6th then just received, and in my letter enclosed a check on the Bank of Pennsylvania, (Phil.^a) payable to your order, for \$400— for the Berlandier collection — I believe that I did not request you to inform me of your receiving this check, which I would now thank you to do: for in the present mal-administration of our Post Office department I have but little confidence in the safety of remittances made through it. —

Since writing before I have had the pleasure of getting from you your paper on the Buckleys; and have now to ask the favour of you to let me have a few specimens from your cultivated plants. I have but one miserable scrap from Buckley — like every thing else I ever had from him. — I have a fine plant of *Locoma stans* from Wright's N. Mex. seeds.

It would afford me very great pleasure to meet Dr. Toney and yourself at Cambridge this summer, but I apprehend that I shall not enjoy that gratification. To leave a large family of children, grandchildren &c. at this hot and unhealthy season, would cause me more disquiet and anxiety than I should willingly incur — I pray you accept my best wishes for the health and happiness of yourself and Mr. Gray.

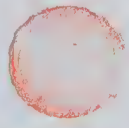
Very truly and sincerely, my dear Sir, I am yours

Prof. Gray.

C. C. Short.



Prof. Asa Gray, M.D.
Cambridge,
(Mass.)



Hayfield, near Louisville, Ky. }
August 5th 1854 }

My dear Friends,

Your kind favour of the 29th ult. is just received, and I thank you kindly for the two enclosed specimens of *Buckleya*, as well as for forwarding to me the letter from Dr. Steetz, who has not written to me for several years, although in the interim I have sent him a large parcel of Western Plants. He speaks of having lately sent you one of his botanical papers for me — have you received it?

I am glad to learn that you have gotten Berlandi's collection, although sorry to hear that the specimens generally are so poorly preserved. — This seems to be a besetting sin of many collectors, and is the more inexcusable in the present instance, the collection having been made by a resident botanist, in a dry climate: As to the distribution of them, I have only to repeat what I said before — that I wish you to lay aside the fullest and most perfect set for yourself — the next best, according to our article of agreement, I feel bound to hand over to the Smithsonian Institution, where, however, I presume they will be comparatively useless — N^o. 3. I should like to come in for myself — provided you will do me the favour (at your most entire convenience) to give me their names; and as for the remainder, I should beg you to do with them just as you think best, if I did not feel a wish that our friends Engelmann, Toney and Pullisank should also share with us. But, with all your powers of analysis, I fear

that you will not be able to divide the Cherry into so many
packs— Do then, I pray, whatever you choose with the balance.

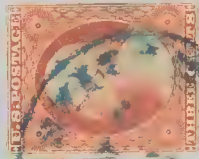
Since writing the foregoing I have re-read your letter,
and notice more particularly what you say as to the propriety of
sending to De Candolle and others, such species as they may not have
rec^d. already from Berlandier. As this may contribute something
towards making the forthcoming Prodrromus more perfect, I willingly
reign for this purpose any such specimens as you might have af-
signed to me; but I insist that you do not rob your own parcel
for this end. If any such specialities occur in the collection, would
it not be fair that you should first make them known?

I foresee, if you do not, that you will have more
trouble, and be subjected to more loss of time, than you will gain
by your agency in this 'labour of love.' I beg therefore that you
will allow me to come in for all the actual outlay of cash, in
the cost of labels, paper, packages &c. &c. &c.

Very truly and cordially I am, my dear Sir,

yours C. C. Short.

Prof. A. Gray
Cambridge



Prof. Asa Gray, M.D.
Cambridge
(Maps.)

Hayfield, near Louisville, Ky.
Dec^r 21st 1854. } 3

My dear Sir -

In a letter which I had the pleasure of writing to you the 21st of last month, I requested you to inform me in what way I could send, in the quickest and surest manner, a box of seeds for the Kew Gardens to Sir W. J. Hooker. By one of the Curad Steamers, I should suppose; but are they not all withdrawn from the mail service? - Shall I send the Box to New York or Boston? - In either case I must be under the necessity of troubling either yourself or Dr. Toney, and as, entre nous, I am inclined to think that you are more a man of business than our friend in N. Y. I am disposed to trouble you with forwarding the parcel. To what house in Boston or Cambridge, shall I direct it? I shall send it

Prof^r A. Gray,
Cambridge.

it thither by express, marked as Sir
Williams directs; but over this direct-
ion I will put a moveable one to your
self—

Presuming that my former letter
has miscarried, or that, in the pressure
of more important engagements, you
have overlooked it, I trouble you a-
gain, which you will excuse, and
believe me, with very great regard,
yours truly

W. C. Short

D^r Gray, Cambridge

Near Louisville, Ky. Jan 6th 1858

My dear Sir—

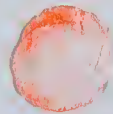
I wrote to you on the 29th ult. in reply to your fav^r of the 26th then just rec^d. In that letter I sent you some extracts from De Condolle's letter to you, or rather from a translated copy of it, which I happen'd to have made by my daughters; expressing my great sorrow that the original had been lost on its way back to you. I have nothing more to add on that score at present, but trouble you now to inform you that I shall this day send off from Louisville, by Adams Express, the Box of Seeds, woods &c. for Sir W^m Hooker which I mentioned in my former letter. The Box is plainly directed, as you and Sir William have indicated; and over this directed I have put a cover of cotton cloth, on which is written, "Prof^r Asa Gray, Harvard University, Cambridge Massachusetts," and the same direction is repeated in card tack'd on the side of the Box. The Cloth Cover can be easily removed by passing the blade of a knife under it around the entire top, which will expose the direction beneath. I must beg leave to rest it with yourself whether the box should be sent off from Boston during your absence; or wait your return, hoping that in neither case will it give yourself or your agents any great trouble to attend to it. Inclosed I send the Express agent's receipt for its transportation to Boston—

Very truly my dear Sir I am your obliged friend &c

C. C. Shorb



Prof. Asa Gray, M.D.
Harvard University
Cambridge
Massachusetts.



Hartfield, near Louisville, Ky.
Jan 8th 1858. }

My dear Sir—

On the day before yesterday I wrote to you, directing the letter to Cambridge, to inform you that I had on that day forwarded to you (at Cambridge) a box of seed, Wood &c. for Sir William Hooker, and directed as you had indicated. a cloth cover being (fastened by the edges over the top of the box being directed to yourself) conceals the direction to Sir W.^m which is beneath.

The box weighs 86.^{lb} and the Charge of Adams' express agent here was \$4.10 which was paid, and the receipt for the same enclosed in my letter to you. I must beg to leave I entirely with yourself whether it shall be forwarded by the first vessel from Boston, or await your return there.

You will please to excuse the additional trouble which I now give you, by enclosing a letter to Sir William—the postage on which, I believe, is 24 cents—Should it be more you will please to let me know of, as well as any charge to which you may be put on account of the Box.

It would give me great pleasure to be able to hear the Lectures you are about delivering—but I must be content, at my time of life, to die in ignorance—may you long live to determine knowledge and a love of Science among our Countrymen—

Most truly I am, my dear Sir, yours,
C. C. Kort.

Prof. Asa Gray, M.D.
To the care of Prof. Henry,
Smithsonian Institution,
Washington.

Near Louisville, Ky. March 31st 1853.

My dear Sir—

You will see that I am "not slow" to avail myself of your inconsiderate offer to forward any parcels to Europe which I might send you; and herewith you will get a receipt from Adams & Co's Express agent for a box which was placed in his hands yesterday. It contains ^{I^o} one parcel of planks for D.^r Danbury — 2.^o one for D.^r Alexander — 3.^o one for Mr. John Carey — 4.^o one for D.^r Sackett, and 5.^o one for yourself! — The three former I must beg the favour of you to forward in such manner as you deem best — that for D.^r Sackett he desires me to send to D.^r Toney, but I thought it best to enclose it in the box, and ask the favour of you to return it to New-York. The small parcel for yourself I am almost ashamed to send you, as it contains so little worth your acceptance, but as there are some things in it which are unknown to me, I was influenced by selfish considerations in troubling you with them. — I have paid, as you perceive, the freight on this box to Cambridge; but other incidental charges will attend their shipment of which I am ignorant of, and which I beg the favour of you to apprise me of. If you do not I will not trouble you in this way again.

I intended to enclose in the box letters to D.^r Danbury & Alexander and Mr. Carey, but in the hurry of sending it off I had not time to write them, and so must enclose them

to you by mail, in a day or two. If it be practicable
I should like to prepay the freight on these parcels to London,
so that the recipients may not be put to greater charges than
the things perhaps are worth; but in this I must beg you to
do as you think best. The parcel for Mr. Carey is not so spe-
cifically directed as I could have wished, but as I knew not
his address I must here also call in your kindness to my
aid.

How do you come on with the Berlandier Collection?
— I am afraid you have paid dearly for the whistles in this
undertaking. Nothing would prove more annoying to me than
miserably poor specimens of interesting things. I beg that you
will make yourself perfectly easy as to any part of them
which you may have intended for me. When entirely con-
venient you may send them by express, directed to the care of
"Morton & Griswold, Booksellers, Louisville, Ky."

I do not remember whether I have written to you
since the receipt of your favour of the 5th Feb. Although I
have not the pleasure of knowing Prof. Henry personally, I
agree with you entirely in all you say about him. That others,
in the Backwoods appreciate his worth, you will see by the
Newspaper Slip I send you, which appeared in our leading paper
about the time of the trouble in Washington.

Very truly, my dear Sir, I am your friend and obliged

Sent^t C. C. Shrop.

Prof. Gray.

Louisville, Ky. April 7th 1853.

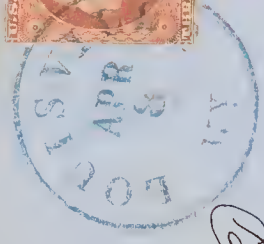
My dear friend —

Your kind favour of the 2^d inst. reached me this morning. It was written, of course, before the receipt of several communications with which I have recently troubled you, in relation to a box full of packages for different persons. Before this reaches you I trust that the box itself, ^{by Express,} as well as three letters by mail, will have gotten safely to your hands. In one of the letters I desired you to send me by Express (Adam's) whatever you may have intended for me out of the Berlandier collection. If you have not already done so, I now repeat that request, with a request ^{also} that you will have the Box directed to W. Allen Richardson, Louisville, Ky. Mr. R. is my son-in-law, resides in Louisville, where he is engaged in business, and will take charge of the box on its arrival.

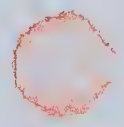
I congratulate you on having cleaned out the Augean stable — I fear you found a great deal of trash hardly fit for the litter of a decent house — what a shame that a fellow enjoying Berlandier's opportunities had not made a better use of his time! — But Tobacco, strong drinks, Cards and Women have been the ruin of many a better man —

Very truly and respectfully yours
C. W. Short.

P.S. —
 I must beg the additional favour of you to forward me
 by Express, the price of seed from Sir William, as soon as it reaches you,
 that I may sow them this spring. — Perhaps it would be as well
 to detain the Express, until the seed arrives and send them out
 together in one box. C.W.S.



Prof. Asa Gray, M.D.
 Harvard University
 Cambridge,
 (Mass.)



Near Louisville Ky. May 9th 1835.

My kind friend.

Absence from home for a couple of weeks, on a visit to an only Brother living near Cincinnati, has prevented me from writing to you sooner. On returning home, I had the pleasure of finding your two favours of the 10th and 19th of April together with the box of *Perlandier* plants and the seeds &c. from Sir William Hooker. For your obliging kindness in sending me these things, and forwarding the various parcels to Europe, you have my best thanks. Inclosed I send you a check on the Bank of Pennsylvania, Philadelphia, for twenty Dollars (\$20.00) which I suppose will about repay for the various outlays you have been put to, in attending to these little matters.

Perlandier
My first business on returning home was to commit Sir William's seed to the ground, and the next - I had almost said, to commit the Frenchman's trash to the flames! - Nothing saved them but my regard to yourself, and respect for the time and trouble you have so patiently and generously bestowed upon them. But what should be done with any scamp, or the memory of any scape-goat, who after spending the many years, in such a country, should have been content to gather such a harvest? Independently of the most inexcusable carelessness in gathering his specimens, as is self evident from what remains of any of them, he seems to have been too lazy to dry or press them properly, and then too indifferent to take the necessary care in preserving them from damp and insects. Alas -

Now I never saw, and hope devoutly I shall never see again, such a miserable pack of trash - the veriest negro who has ever been sent to Africa, without the ability to read his Bible or write his name, by the relenting conscience of a dying lark master, should be remanded back to slavery, if he could not make out a better representation of the plants of his adopted country. I am truly sorry that I have had any agency whatever in subjecting you to the loss of so much precious time and labour, as the overhauling of this mass of rotten rubbish must have cost you; and I thank you kindly for not having prefixed my name, in any shape or form, with such disgraceful specimens. Surely with all your patience and acumen you can make nothing satisfactory out of them, since there is scarcely integrity enough about the bark of them, to hold an awn and a seed together. I was under the impression that our Frenchman (or whatever he was) had sent all his earlier collections to Europe, and that these were among his last; but I see some specimens marked as far back as 1828. Which, all this time, I suppose, have been left to the tender mercies of bugs and worms!! - I dare say that this same Barlandier was much better prepared and supplied with all the aid and facilities for gathering and preserving plants, than either Drummond, Wright, Fendler or Lindheimer, and yet look at the difference in the results of their labours! - Seriously, would it not be best for us still to throw these *Pests*, *Barlandierian* into the fire? Is there not great danger that they are so super-saturated with mould and rot, and so riddled with bugs and worms as to ruin any collection into which they may be distributed?

I am well pleased to learn that you have taken up the cudgel in defence of your friend Henry, and I shall look

for your defence of him with much interest. I have always feared that the location of the Smithsonian Institution at Washington, and the direction of its affairs placed in the hands of politicians, argued unfavourably for its extensive usefulness. Demagogues, who may manage to get into its directory will not hesitate to make it if they can, and if they would do if they could, every thing in Heaven or Hell, subservient to their own aggrandizement.

I congratulate you and the other friends of Harvard on the liberal bequest of Mr. Brown. I thought however that "Natural History" in the general reported on the shoulders of your colleague Agassiz, and that your Department was more exclusively *Botany*. This leads me to observe that I have not in the proper place acknowledged the receipt of your last favour of May 2. which reached me last evening. I thank you for the determination of some doubtful plants in the parcels last sent you but I beg that you will give yourself no trouble or hurry in returning others which were nameless. If they reach me by fall it will be as early as I require them.

Have the plates of your Report on the Botany of the U. S. Exploring Expedition been yet published?

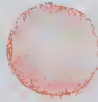
You see I have written you a long bore, in return for your several short favours. - But whether long or short believe me, my dear Sir, very truly

Your friend and
obliged Servant

C. C. Porter

Prof. Gray

Prof. Asa Gray
Cambridge
Mass.



Hayfield, near Louisville Ky.

June 18th 1855 }

My dear Sir—

You must permit me so far to trespass on your precious time as to acknowledge the receipt of your obliging favour of the 21st of May, and again that of the 25th—the latter enclosing a communication from M. Decandolle, and a highly prized autograph of Herr Von Epenbock, for which I beg you to accept my best thanks— M. Decandolle sends me several of his father's autographs, being descriptions of plants drawn up for his *Systema* and *Prodromus*, which of course I prize very highly. I must return Mrs. D. my thanks for the same very soon—

The Hon Miss Murray passed through Louisville, some days ago, on her way to Indianapolis, but did not honor me by the delivery of your letter. Had I known of her having one from you, I should have made it my duty, as well as pleasure, to call on her and inviting her to my plain and rustic home.

Lockhart in his life of Sir W. Scott. (vol 6. p. 141.) says that Mr. Tichnor, of Boston, has an original portrait of Sir Walter by Leslie.— Do you know Mr. T. ? If so, would it be asking too great a favour of him to allow a copy of it to be taken for me by your best painter?— I have long been an ardent admirer of the great Scotch writer, and ~~now~~ should be greatly pleased to possess an authentic portrait of him.—

Excuse the trouble I am so constantly giving you, and believe me very truly your obliged friend &c
C. W. Short.

Doct^r Gray
Cambridge

Hayfield, Kentucky, June 29th 1855.

My dear Doctor,

Your obliging favour of the 21st inst. covering a note from Mr. Tichnor to yourself, and a couple of circulars from Prof. Agassiz, has been duly received. In the enclosed I have endeavoured to express my obligations to Mr. T. for his great kindness in assenting so readily to the request which I had made through you, in relation to his portrait of Sir Walter. We will, of course, leave to himself the selection of the artist for making the copy, which I trust will be done in a manner altogether satisfactory to himself.

— Whilst on this head I must say that I accept with great pleasure your very kind offer of the two photographs of yourself which you make me. I have neither of them, and both will be highly acceptable. Having failed in my desire to see you, when I called at your house two or three years ago, I enquired of your servant whether there was a portrait of you, or any kind of likeness about the house; but she told me there was none; and I have often thought of applying to you for something of the kind, but did not like to subject you to costs for the gratification of my wishes. When your friend Mr. Tichnor finds a painter in whose hand he is willing to place his Sir Walter, suppose you undergo the infliction of a sitting to him for a portrait for myself?— I shall then have the satisfaction of looking upon the faces of my favourite author and our Princeps Bot. Amer.

I will thank you to place my name on the list of subscribers for Prof. Agassiz's work, and, if required, to pay for the first vol. in

advanced. — One of my sons-in-law, Dr. J. R. Butler has just returned from Western Texas, where he spent the last winter; at a barber's shop in San Antonio he saw quite an extensive collection of the insects of the country around about that place, the collector being the Barber himself! Dr. B. bought the collection and brought it up with him. As to its value or interest I am unable to form any opinion, except that the objects appear to have been well preserved. Do Prof. Agassiz's studies embrace this department? — If so, Dr. Butler will be pleased to hand over this collection to him, or to any other person, in whose hands it may subserve the cause of Science.

— I have neglected to inform you of the safe arrival at my hands of the plants which you were so kind as to name for me, and return through Messrs. Morton & Griswold. — I thank you kindly for the trouble you have taken in this matter.

Enclosed in this I send you a few seeds of the Cot-
linia verna, all that my Gardener saved except those sent to Mr. Nuttall. The only chance of your growing it will depend on sowing the seeds immediately. If they do not show themselves, in Feb. or March, I can forward you a few living plants. In relation to the history of this plant it may interest you to know, that in the Spring of 1815, I found it in the neighbourhood of Pittsburgh, Pa. and then sent specimens of it to the Abbe Correa, (the learned Portuguese), whose acquaintance I had made during my medical studies in Philadelphia. The Abbe pronounced it a violet! — This was two years before Nuttall had named it.

Very faithfully and respectfully

I am my dear Sir, yours truly

C. W. Short.

Prof. Gray.

Dr. Gray Cambridge

Hayfield, Ky. July 13th 1855.

My dear Sir—

Your kind favour of the 21st June reached me in due course and was duly acknowledged. A day or two ago I was also favoured by yours of the 5th inst. and last evening the parcel from Dr. Alexander came safely to hand, enclosing your Rautenbachian— for all of which, but more especially for your good photograph, I am extremely thankful— you are no doubt correct in supposing that Dr. Alexander had paid the freight on his parcel as far as he could; for in a letter recd. from him on the subject, he expresses a regret that he was "not able to frank it all the way to Louisville."— In this parcel, as in all others I ever received of European plants, I have been struck with the great preponderance of Leguminosae over every other natural order.

I am pleased to learn that your colleague agrees so readily to accept the offer of the Texas insects, &c.— They shall be forwarded to him, via Express, in a day or two. but as there seems to be more than duplicates of most of the species, Dr. Butler will request the favour of him to return him one series of the specimens, with their names.— I hope, and doubt not, that your friend has a better digestion and appreciation than some other 'omnivorous' naturalists whom I have known— *Pon Rafinesque* for instance!

I have read with much interest your satisfactory defence of the Smithsonian policy, and have distributed all the copies

except one among persons in Kentucky, who take an interest in the Institution. — I have not the pleasure of an acquaintance with Prof^r Henry, but if I should chance to go East this summer, I intend to pass through Washington, and would thank you for a line of introduction to him.

I am glad to learn that you have now a respite from your college duties. Do you not intend to recuperate your energies by a travel somewhere? — I wish that I could offer you some inducement to visit our backwoods. It would afford us very great pleasure to have yourself and Mr^r Gray some weeks under our roof. —

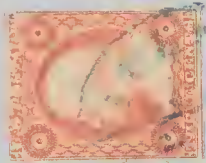
I shall not forget the large photograph, nor do I intend to let you off so easily from the portrait, when Mr^r Tichnor finds a proper artist.

From a parcel of Californian seed picked up by a casual collector from this country, I have raised a few plants of a Clarkia? which seems to differ from the form described in your N. A. Flora, by its shorter claw and its cordate or deeply bifid petals, thus.  It is certainly neither C. pulchella, or C. elegans. I send you a flower, and hereafter full specimens. — the colour is light purple, becoming much darker by drying. —

Do I understand you that you have determined all Balandier's plants up (or down) to Compositae? — At your perfect convenience I will thank you to let one of your pupils copy the list for me. Writing such an array of names will be a useful lesson for him —

Very truly, my dear Sir, I am your obliged friend &c.

C. C. Short.

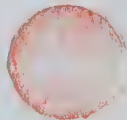


Prof. Asa Gray, M.D.

Harvard College,

Cambridge

(Mass.)



848
6728

Hayfield, near Louisville, Ky.
August 18th 1855. }

My dear Friend,

If I had supposed that you would have taken on yourself the trouble of copying the names and numbers of the Berlandier plants, I should certainly never have asked it, nor have trespassed so shamefully on your precious time. I may therefore, you will let me wait, with others, for your printed Memoir, which I hope will be forth-coming in due time. On this head I will only express my regret that Ravenel is to be mounted on a toadstool, instead of being apotheosized by a pharmacopoeia.

I thank you kindly - most kindly for the photographs accompanying your favour of the 11th inst. but I hope, should I ever have the pleasure of seeing you "in the flesh", to find you more like the first one sent me than either of the two last. The face of that is not only far more "amiable" than either of the others, but altogether more satisfactory. I am therefore pleased to learn that M^r. Gray pronounces it the best likeness. It is, indeed, surprising that three such impressions, so differing in many respects, could be taken by the same process from the same persons.

I am sorry to hear what you say about your colleague, but, unfortunately, I have heard intimations of the same sort from other sources. Dr. Butler has sent another collection of insects from Texas, which I shall advise him to send to Dr. Le Conte.

I have raised quite a number of curious and, to me at least, new things, from seeds gather'd in Oregon and California, by a Doctor Dayton of this; who, although he hardly knows a Salop plant from a Jimson weed, yet has some penchant towards collecting. I will send you specimens, of all I have grown in a few days, and among them "any new species", as Rafinesque would say on presenting to him the commonest weed. This *Clarkia* however, if it be such, (and I can see no difference in it, generally from the well-known *Clarkia elegans*, which I have raised from the same parcel of seed,) certainly differs from the four you enumerate in your N. W. Flora, and I have no other more recent authorities to refer to. I am sorry that our climate or soil do not seem to suit it; for after flowering, the few plants I raised, began to droop and decline, and although I shaded them and applied water freely, they died off without maturing seed. The immature capsules, however, bore every marks of similitude to those of *C. elegans*.

Are you acquainted, either personally or by correspondence, with Dr. A. Clapp, of New Albany, Indiana?—A most worthy, estimable and reliable man, and an excellent Botanist. For many years past he has been especially devoted to the study of organic remains, yet his "Synopsis or Systematic Catalogue of the medicinal plants of the U. S." presented to the American Medical Association, and published by them in 1852, does him great credit as a Physician and Botanist. I mention these things to you that, in the event of a new genus, worthy of him, "turning up" you may know what to do with it;—unless, indeed, my friend Clapp has been already immortalized in some Enciclopedia buried a hundred

feet beneath the surface of the Earth! If so, his fate is even more deplorable than that of your friend Raveanel.

I am sorry that you give me no encouragement to expect the pleasure of seeing you in these parts during your present recess. Nothing could afford me a greater treat. Possibly I may have the gratification of seeing you in Cambridge next year (D. v.) Can you tell me whether the plates of your Botany of the exploring expedition have yet been published?—

Ever, my dear Sir, I am yours faithfully,

C. C. Short,

Prof. A. Gray
Cambridge

Prof. Gray
Cambridge

Hayfield, near Louisville, Ky.

Oct.^r 19.th 1855.

My dear Doct^r:

I rise from a bed of sickness, (to which I have been confined for the greater part of two weeks by Influenza and remittent fever,) to offer to yourself and M^{rs} Gray my hearty congratulations on your safe return home — To her, indeed, your return so much sooner than she expected, with her recovered Brother, must have been doubly delightful.

To Sir Will.^m Hooker, I am under great obligations for his favourable recollection of one, who has done so little to deserve it: but I fear I shall never have the pleasure of paying my respects to him at New. Earlier

Doct^r Gray
Cambridge

life it would have afforded me much gratification to have spent several years in Europe. But then the "res angusta domi", and the daily calls of a growing family prevented. And now with a system enfeebled by advancing age, and poisoned by the miasms of sixty one almost tropical summers, I have not the energy or resolution to undertake such a voyage.

I was truly distressed to hear a few days ago, by Mr. Bolton, of Mr. Toney's death, which must have been an overwhelming calamity to her husband. I was prevented at the time, by my own sickness, from offering to Dr. Toney, my sympathy and condolence on the occasion. Such offerings are however, but poor solaces at best, under such circumstances.

I wrote Dr. Bolton immediately on the receipt of your last favour in Augt. and have but just heard from him. I have requested him to send me a set of his new-Grenada plants.

When I am somewhat recovered I will write again. In the mean while, I am, my dear Sir,

very truly yours

C. C. Short

Prof. Gray

Hayfield, near Louisville, Ky.
Nov. 3^d 1855. }

My dear friend,

I thank you very sincerely for your kind solicitude in regard to my health. I am improving, perhaps, though so slowly as to be scarcely perceptible from day to day. Added to a troublesome cough, I labour under a greater amt. of debility and prostration than I ever experienced in convalescence before. But old people, like myself, cannot expect the rapid recuperation of youth.—

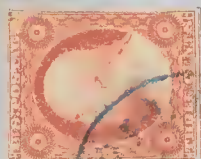
I am much pleased to learn that you propose taking Virginia and Kentucky into the bounds of your new edition of the Mammals: and I shall be pleased to render you all the aid in my power, in regard to the latter State. For this purpose I began to compare a M.S. Catalogue I have with your Mammals, and to note a few species which you have not enumerated; but I found, after a long hunt, one only remaining copy of a Catalogue and Supplements drawn to 1840, which I herewith send you. As it is the only copy I know of, you will please return it to me when you have done with it, as it may be of some use to me, should I ever be able to publish a fuller and more perfect List of our plants.

I shall be greatly obliged to you for the Lithograph of Alph. De Candolle, having nothing of the kind either of himself or his distinguished Father.

Ever yours very sincerely

C. C. Short.

Prof. Gray.



Prof. J. D. Gray, M.D.

Cambridge

(Grays.)



Notes on some Plants of Kentucky, not included in Gray's Manual. (1)

Magnolia. I am inclined to think that I have confirmed M. acuminata with M. cordata. The former (a large tree) is found though rarely in Kentucky - The latter I have not seen, and have no good authority for locating it within the bound of this state.

Magnolia macrophylla. This tree, although I have not met with myself, I have good authority for saying has been found on the Kentucky River, and also on Rock-Castle River in this state.

Magnolia grandiflora bears our climate well and flowers freely in different parts of the state.

Myosurus minimus = M. Shortii, Raf. Barren of Ky.

Cardamine Ludoviciana = C. procop, Raf. - an abundant early flowering weed in cultivated grounds.

Arabis hispida - Barren of Ky. rare. = Draba muralis.

Vericaria Shortii, Elkhorn creek near Lexington, Ky.

Leavenworthia aurea, L. Michauxii, on flat rock, in the Barren of Ky.

Viola tenella, Blue lick, Ky. V.

V. sororia, Mud lick

Hypericum procumbens, Mx. = H. dolabiforme, Raf. Knots

Arenaria patula, Mx. cliffs of Ky. River.

Stellaria palustris, marshes about Louisville.

Sagina fontinalis, Short & Peter - Cliffs of Ky. River

Hayfield, near Louisville, Ky. Nov. 14th 1855.

My dear friend —

Your favour of the 9th inst. has this moment reached me, and feeling on the occasion of its receipt some relief from the paralyzing languor of slow and tedious convalescence, I take up my pen at once to acknowledge, and as far as may be, reply to it. —

Cardamine Ludoviciana, Hook. I have no other than Dr. Toney's authority for stating that Rafinesque's C. macro is identical, but where he has published it I know not. It is doubtless the Sisymbrium Ludovicianum of Nutt. May it possibly have been published in Raf.^s Fl. Laevic. of which I gave Dr. Engelm. the only copy I had?

Arabis (Draba?) hispidula? Dr. Toney pronounced near Draba muralis of Europe. It may be D. Caroliniana, Walt. but the only specimens I have found, which were certainly indigenous in the Barrens of Ky. are larger than any specimens I possess of D. Car. — one is a foot high!

Leavenworthia. I have always considered there as two well marked species, — L. michauxii being constantly uniflorous peduncled, and finely lyrate leaves, with flowers whitish — L. aurea, with constantly multiflorous stems — more coarsely lyrate leaves, and larger yellow flowers. They grow together on wet flat rocks in the Barrens of Ky. flowering in early spring. Leavenworth's observations agree with ^{my own}.

Vericaria Shortii. of the plant so named by Toney, I possess only a few very imperfect specimens, with immature capsules. I can

not, therefore, undertake to say anything more about it, except that I have only met with it in two quite distant localities.

Suppose I send you by express all my *Eucleræ*, which I fear you will find "rubis indigesta que molis." If they are of no service to you, I shall be benefited by your correcting hand?

Being fatigued I add nothing more at present than renewed assurances of my high regard and esteem.

Very faithfully yours,

W. C. Short.

P.S. I am sorry to learn that the Pamphlet (Cat. of Ky. Plants) has not reached you. Although I took care to pay as much postage as I deemed sufficient, it has probably been thrown aside — not great loss, by the way, to any body.

cc, de



Prof. Asa Gray, M.D.
Cambridge,

(Map.)



Louisville, Ky. Nov^r 19th 1855.

My dear Sir -

As intimated to you in a letter which I had the pleasure of writing to you on the 14th (in acknowledgment of yours of the 9th.) I have this morning placed in the hands of Adams^{es} Express agent, a small box containing all the American Cruciferae of my collection, except those from Belandier, which I have not yet distributed. I do not suppose you will derive anything new from them to be incorporated in your forth-coming Edition of the Mammals; but I am well afraid that there are errors and misnomers enough to give you the trouble of an hour's correction, when it may rich your entire convenience to spend that time upon them -

In the box you will also find a small parcel of miscellaneous plants, chiefly raised from Oregon and Californian seed this summer, and among them "my new species", (as Rafinesque used to say) of Clarkia, which after all I fear will turn out to be some well-known Anemone!

Do I understand that the specimen of Venicaria or alegsum which you sent me in your last, is a discovery of Lesquerens's, in East Tennessee? - who is he? and when was he there? I am truly sorry that the specimens of Torrey's Venicaria Shortii in my Herbarium are such miserable immature fragments.

I am pleased to inform you that my cough has left me, but I am miserably feeble. Should I be induced to spend some part of this winter in Florida, where shall I find most of interest in the

botanical way?— Can you tell me what has become of
Dr. A. W. Chapman? Are there any other botanists in that
region?—

Very truly and cordially I am, my dear Sir, yours

C. C. Short.

Enclosed I send the express agent's receipt for the box, and freight
to Cambridge = \$2.00.

What I have called *Viola sororica*, Willd. = *V. villosa*?
Elliott, is probably nothing more than one of the multiform vari-
eties of *V. cucullata*.

Stellaria palustris (Retz. according to Eaton,) has leaves much lon-
ger and narrower than my N. England specimens (from Oakes) of
S. aquatica. Our plant is common here in wet meadows and marshes,
growing 18 inches high, whereas I have not found the Eastern *S. aquatica*.
Pallisch = *S. uliginosa*? Munag. I send you a fragment of our plant

Prof. A. Gray,
Cambridge Mass.

Near Louisville Ky.
Dec^r 6th 1855. }

My dear friend—

Having been disappointed by a Manufacturer who had engaged to make me a supply of Herbarium paper, I am under the necessity of looking to the East for a small quantity for immediate use.

Having no friend in Philadelphia who knows anything about such matters, and not liking to trouble D^r Torrey in this ~~this~~ his time of affliction, I must turn to you; and you must remember honest Sanchez's version of the homely adage—
"One good turn deserves another"—That is as you have been so ready and willing to serve me on all former occasions, you may expect to be called on in all time to come.—

One Bundle, which I believe contains two reams, will answer the present emergency, and is as much as I choose to pay the high freight on, charged by the Ex-
press

D^r Gray
Cambridge.

Express men. I must get more here-
after by means of cheaper transpor-
tation. It would be a great conveni-
ence to me if you could have the pa-
per cut to the proper size, which you
will see in the package of *Crucifera*,
which I sent you by express on the
14th ult. and which I hope you have
rec^d. before this time.

It would be well to have the
paper boxed, to prevent injury by the way.
Please to let me know the cost of the
paper and other charges at your earliest
convenience.

I rec^d. some days ago the pack-
age of Holton's plants, and am very
sorry to find them not much better than
Berlandier's! — It distressed me indeed to
see so many beautiful *Orchidæ*, and what
I suppose to be *Cinchonas*, so miserably
preserved. Nothing better, however, could
have been done with the miserable cob-
web paper which he seems to have used

in their preservation, and which had
no substance or body to absorb moisture.

At the commencement of my Bota-
nical career, I was on the point of ac-
companying Genl. Harrison when he went
as Minister to Bogotà. — If I had gone,
I think you should have seen a dif-
ferent return from Friend Holton's. As
it was, the only result of the General's
mission to South America, in a natural
history point of view, was the impor-
tation of a Parrot, which lived a
long while, a sore annoyance to the
North Bend family.

Please to remember the Litho-
graph of DeCandolle, and also your Pro-
vidence Photographs (which I still claim
although you have returned in safety,) when
the Bundle of Paper is made up.

With kindest respects to M^{rs} May,

I am, my dear Sir, very truly

Yours, C. C. Short.

Near Louisville, Ky.,
Dec^r 25th 1855. }

My dear friend—

I had the pleasure some
Days ago of receiving your triple favour
of Dec^r 3^d 12th & 12th continued; and yester-
day your kind note of the 20th reached
me. —

Prof^r Gray
Cambridge

To reply to these somewhat seriation
I must say in the first place that I
know nothing of Hypericum rosmarinifolium, except what I see in the Flora
of N.A. I have diligently examined all
the Hypericeae in my Herbarium, but
do not find this name attached to any
specimen. Doubtless I sent to Dr. Foney
from Lexington, in this state, H. prolific.
with other species, for that is abundant
thereabouts; but some forms of H. punct.
have more the rosemary leaf than
the former.

I am sorry to differ from you in your Report of the Leavenworthian, and I must think that if you saw both species growing side by side, in their natural habitats, instead of the Cambridge hot house, you would agree with me.

The Julia ciliata did not mature its seed in my garden, neither did the Clarksous Anothera - of this latter I fear that I have no satisfactory specimens left for Mr. Durand, else it would afford me much pleasure to furnish them.

I thank you very kindly for your prompt and kind attention to the paper, which I suppose will turn up some of these days, although these Express Gentlemen have learnt the universal art of 'taking their own time'. - you shall hear when it reaches me; and I hope you are sufficiently a "man of business", as well as a "busy man" to send me the

bill of costs, or rather the amt. of the bill, at your earliest convenience. How shall I get Dr. Torrey's Report of Whipple's Expedition?

— I come now to your favour of the 20th inst. accompanying the Certificate of Fellowship of the "American Academy of Arts and Sciences". - If I were a younger man, I should feel pleased and flattered by this Compliment. But as it is, knowing that I owe the honor altogether to your partial kindness, and knowing full well that I am wholly undeserving of ~~the honor~~, it, you will please to allow me to set it down to the right account - one who makes no other pretensions to the character of Botanist than that of being an humble gatherer of plants, deserves but little an association with the Distinguished names you have mentioned. I am, however, not less than the best of them,

yours very truly and sincerely
C. C. Shorb.

Hayfield, near Louisville, Ky.

January 13th 1856.

My Dear friend

I received in good order and well conditioned the two reams of paper and the Quincunx of my American Herbarium, for your examination of, and remarks on which, I am greatly obliged to you. The box came to hand only a day or two ago, having been unduly detained, I suppose, by the snow on the roads, and the wide margin left for contingencies in the carriers receipt....

In the arrangement of plants in my Herbarium, I use, as you may have observed, entire folio sheets and half sheets; with the intention ultimately of fastening the specimens to these half sheets, which is, I believe the most approved method, for I never saw any other collection than my own. For this latter purpose the paper you have sent is not quite thick and stiff enough, although it answers well for the whole sheet purposes. Consequently I am under the necessity of troubling you again, to direct your Paper Merchant to send me two more reams of a more substantial character. The specimen I enclose, which was obtained for me in New York by our friend Carey, comes up to my notions exactly. The size of these half sheets is 18 inches by 11 $\frac{1}{8}$ precisely - the whole sheet being consequently 22 $\frac{1}{4}$ by 18. The Paper which he sends may be cut either way (in whole or half sheets) or not trimmed at all, as I can easily have it done here. Please direct it to be sent by Express at the

earliest convenience, and pray excuse the trouble I so frequently give you.

The portrait of Decandolle is highly acceptable, although it is a more common-place face than I had expected. By the way, I am quite ashamed of myself for not having acknowledged my obligations to this gentleman for his Father's autographs, which he so kindly sent me some time ago.

Should you have occasion to write to Sir W. J. Hooker please to say to him, for me, that I am preparing more specimens of the woods of this country for the Kew Museum, of which I will send him another box in the course of the spring. — Any thing from him yet on the subject of Hilton's Plants of New Grenada? —

Not recollecting the state of our account current, I enclose herein a check on the Bank of Penns.^a, Philadelphia, for \$50. to pay for the paper &c. If to be obtained readily I will thank you to send me all the publications of the "American Academy of Arts and Sciences". As I can promote its objects in no other way, I should at least contribute something towards its funds. If their Memoirs have been published in numbers, please to have them bound into vols for me.

In the specimen of paper I enclose a fragment of an Asclepiadaceous? plant from Texas which I do not know.

When are we to have another one of your beautiful volumes of N. Amer. Genera Ill.? — As to the N. A. Flora I have made up my mind never to see more of it!

With the best wishes of the season, and of all seasons,
to yourself and Mrs. Gray, I am, my dear Sir, very truly yours,
C. C. Short.

Prof. A. Gray
Harvard University
Cambridge

Hayfield, near Louisville, Ky.
March 15th 1856. }

My good friend,

I owe you an apology which I here beg you to accept, for having so long delay'd acknowledging your two favours of the 23^d & 24th Jan: but you are always so prompt in replying to my communications that I was loth to trespass upon your time at this particular season of your absorbing engagements; and I beg now and always that you will not allow my scribbles to interfere in any way with your far more important engagements. When it is entirely convenient to you, or rather when you have nothing else to do - if that unhappy fate ever befalls you - I shall always be gratified in hearing from you.

The paper you last order'd for me I think will do very well, although the stock seems to be of finer material than what I have used heretofore. I thank you very kindly for your offer to have a quantity made for me according to pattern furnished, but I really & I do not think it worth while to trouble you, or to incur myself the expense. I scarcely ever begin upon a new cheque without thinking it altogether probable I shall never need another, and at my time of life (now 62), and in my state of health, such calculations are neither hypochondria nor unfounded. - you chide me for complaining of age and its infirmities, and cite the example of Sir Robert Brown, (I believe he is knighted,) to show me the unreasonableness of my despondency; but if he had been doomed, like me, to drag out his

his

existence in this malarious region, depressed with the cares, anxieties and responsibilities of a large family, he would hardly be at 82 so young and boggant as you represent him. Whilst on this subject I will venture to ask you what will be the best disposition for me to make of my Herbarium in my Will? - No member of my family has any predilection to pursuits of the kind, and there are no public institutions in Kentucky, or indeed in any part of the West, where such collections would be valued or cared for. Would it subserve any good or useful purpose bequeathed to the Smithsonian Institute? The collection, such as it is, has been the labour of a life time, and besides every thing American which I have been able to get together, by personal collection and the most extensive exchanges with every body of whom I could hear, ~~of~~, comprises a very general series of the plants of Great Britain and Continental Europe. I know very well that it would be useless to you, because you have everything in my case, and a great deal more, else I would have no hesitation in handing the entire collection over to you; but I hope you will allow me the satisfaction of making you a parting remembrance by bequeathing you some Book, from my Library. I have nearly a complete set of Curtis's Botanical Magazine, Humboldt's Plantes Equinoxiales, Linnaeus's Flora Suecica - his Philosophia Botanica and some other books of rarity. Would any of these be of interest to you, or worth your acceptance?

Wishing to be kindly remembered to Mr. Gray,

I am, my dear Sir, very affectionately,

Yours - C. C. Short,

Prof. Gray

P.S. I think I have mentioned to you on several occasions, the singular economy of the *Collima verna* in regard to its reproduction. I have never been able to raise a plant of it from seeds, gathered when fully ripened and sowed in the most careful way the succeeding spring. But if the seeds are allowed to drop spontaneously, and no attention whatever paid to them, they never fail to produce an abundant crop. The young plants appear in December, and regardless of all kind of weather they live and grow throughout the winter, and begin to flower in April. Indeed I sowed a few little plants of this species, which I plucked in my garden when the Mercury was at 20° below zero. Trees of *Parlomia* 30 feet high and a foot in diameter, have been entirely killed by the cold which these little succulent annuals have defied! Is there anything in Vegetable Physiology more inapplicable and curious than the ability of different plants to resist the influences of heat and cold?

Prof. A. A. Gray
Cambridge

Hayfield, Ky. M^{ch}. 21st. 1856

My kind Sir -

Your favour of the 6th of March reached me on the 16th! a day after I had written to you, viz. on the 15th. at this rate of mail facilities, we might as well be on different sides of the Atlantic. - I thank you very kindly for the additional names of Berlandier's plants, and have only to regret that M^{rs}. Gray's ^{beautiful} Chirography should be bestowed on such miserable trash as the Kenchman's rotten scraps! -

Prof. A. Gray,

Cambridge

As to the *Helianthus* I am somewhat in doubt, for there are only two or three species of the genus to which I would be willing to swear - as *H. pubescens* - *H. angustifolius* - *H. lenticularis* N. Y. In regard to your opinion as to the identity of *H. tuberosus* and *H. doronicoides*, I have some confirmation to offer you. Some years ago, I applied to a seedman in Louisville for roots of the ~~the~~ "De-

"Jerusalem Artichoke", wishing to plant them for feeding hogs. He said he had some of a new kind from Arkansas, which were said to be much more prolific than the common kind; and he showed me a barrel of longish roots, very similar in form to small sweet potatoes. The taste of them was, however, entirely identical with that of the root of *H. tuberosus*, which, you know, is entirely similar in form to that of a small, knotty, roundish Irish potatoe.

I planted an acre with these Arkansas artichokes, which grew luxuriantly, the stems being 8 or 10 feet high, bearing large leaves and flowers. Of these I think I must have sent you specimens, marked "*Helianthus*, from Arkansas." — The tout-ensemble of the plant was strikingly similar to specimens in my Herbarium from Kentucky, which you have labelled *H. Doronicoides*.

— If this is the real *Solanum Pines* (and I enclose a flower and small leaf for your identification,) I can procure you roots from my patch in a few days, and send them to you; but how?

My experiment in hog-feeding did not succeed, for our Kentucky hogs will eat nothing but Kentucky corn; so I had the Arkansas artichokes ploughed up and the ground has been differently appropriated for several years; but still the *Helianthus* continues to show itself every year in the fence rows.

I have never seen the tuberos rooted *Helianthus* — the common "*Jerusalem artichoke*" (*H. tuberosus*), except where it has been cultivated.

Very cordially, my dear Sir,

I am yours

W. W. Short

Helianthus Caronicoides ?

Roots from Arkansas - called "Jerusalem Artichoke", and said to be more prolific of roots than the common tuberosus Artichoke - *H. tuberosus*

C. W. Short
Kentucky

\$92 = \$920 = 9/3

Hayfield, near Louisville, Ky.

March 26th 1886.

My dear Sir—

Your favour of the 20th & 21st enclosing the names of Holton's New Grenada Plants, reached me last evening; for which please to accept my thanks. A few lines at the close of one of your letters, with which Mr. Gray has favoured me, have dispelled the illusion under which I had laboured that the precious names of Beaudier's Plants had been copied by her fair hand. These of Holton's, written by the same hand, though neat and pretty lack the ease and grace of Mr. Gray's Chirography...

I am well pleased to learn that Fendler has returned in safety from Venezuela, bringing with him a goodly parcel of the plants of that Country. I shall be pleased to get either of the sets you mention, and herewith enclose to your order a check on the Bank of Pennsylvania, Phil.^a for the larger sum (\$105.), although I should be unwilling to deprive Dr. Engelman of the larger set, to which he has undoubtedly a prior claim to mine.

I wrote to you on the 15th, and again on the 21st inst. Since the last I have identified the spot where the tall Helianthus (H. Doronicoides?) may be had, by stalks of the last year's growth still standing. As soon therefore as I ascertain whether this is the species you desire, I can easily obtain the roots. Suppose I send you at the same time some of the plants of Callisia v. Asplenium thalictroides, Eriogonum &c. &c. yours truly & cordially C. C. Shreve.

Doct^r A. Gray
Cambridge
Mass.

Wagfield, Ky.

April 13th 1856

My dear Sir

By a letter with which I am favoured from Mr. Gray, under date of the 6th inst. I am informed of the receipt of the check I inclosed to you some weeks ago, and of your having purchased ^{for me} the smaller of the two sets of Fendler's Plants - Dr. Englemann preferring to take the larger. I now must trouble you so much farther with this matter, as I request the favour of you to have the parcels securely protected, and sent to me by Adams Express, that being a cheaper as well as a more reliable conveyance than the "Merchants Despatch," by which the paper was sent. -- By the Adams Express I shall send you next week a little box with the Roots &c. &c.

Wm. A. Gray
Cambridge

Yours truly & cordially
C. W. Shreve

April 14th

I have this day placed in the
hands of the agent of Adams Express
Co. a small box (the rec^t. for which
is herein enclosed) containing

6 or 8 Roots of *Helianthus doronic.*?

Small plants of *Callinsia vernia*

" " *Isopyron* (Erermion)

" " *Stylipus vernus*,

" " *Erigenia bulbosa*

1 Root of *Hydrophyl^m. macrophyt*

One small root of *Todanthus hesperid.*

Your gardener will of
course put them out as soon as they
reach you, which I hope will be
in safety, and speedily.

Very truly yours again

C. W. S.

Hayfield, near Louisville, Ky.
April 15th 1856.

My dear Madam,

As D.^r Gray devolves on you the task of replying to my communications to him, I trust he will have no objections to my making the proper acknowledgments to yourself. I must, therefore, thank you for your very kind favour of the 6th inst., and still more especially for the friendly invitation therein to visit you at Cambridge. Should I ever be in Boston again, I hope sincerely that I shall not miss the pleasure again of finding your self and D.^r Gray at home. He has lately intimated to me an expectation of making, at no distant day, a visit to the west, with yourself. If that should happen in my day, I hope we may lay claim to a full share of your time and company; but I must be so impolite as to beg of you

Mrs Jane Gray
Cambridge

Dr. Hunt
April 15-56

not to venture into our lethiferous region after the middle of June, unless you wait until the 15th of October. Between these dates I should be very sorry to see any unacclimated person, for whom I entertained any regard, come among us. With the exception of these four months our climate is perhaps as healthy as any other portion of the Union. I have suffered so much in my own person and in my family, from the fatal influences of this climate, at the season referred to, that I am the more charmed with the description which you give, on the authority of M^r. Fendler, of that of Venezuela; and if I were forty years younger, I would take his word for it, and try the change. — Somewhere between the pestiferous plains of the coast and the snow-capt summits of the Andes, there must be a pleasant — delightful and healthy region, even under the Equator!

D^r. Gray is right in thinking that I owe you an apology for mistaking the stiff and quaint hand-writing of a Dutchman for your easy and graceful Chirography, and I trust that your goodness will accept the apology and pardon the mistake. If, ere now, our worthy friend, the Doctor, could have had, at an earlier day, the benefit of your tuition and your example in this particular, I apprehend that his compositions, and correspondents too, would have been the gainers by it.

Very Respectfully and truly
I am my dear Madam
Yours C. C. Short.

M^{rs}. Jane Gray.

Hayfield, near Lavinilla, Ky.
June 1st 1856 }

My dear Sir—

Since I wrote to you last, I have had the pleasure of receiving your two favours of the 9th & 19th of May, together with the accompanying letter from Sir W. J. Hooker, which I herewith return, with many thanks for its perusal. I hope it may not fall among thieves as a former one did, together with one also from Dr. Condit — The recipients must have known the worth of such autographs, or they would have returned them to you.

The Box of Fendler's plants of Venezuela, has also reached me in safety, but I will not conceal my disappointment in not finding the portrait of Sir William therein, as I had expected. The subsequent explanation in your last letter, removes my fear that it too, as well as his former letter, had been perished; and much as I should have prized it, I am almost sorry that you have permitted your kind feelings towards myself, to induce you to trouble Sir William with a plea for it in my behalf. Mr. Greene has doubtless far greater claims on Sir William than myself — Indeed I have none whatever; for any such which I might have at one time set up against him have been long since more than abundantly requited by him "in kind". —

As to Fendler's Plants, many of them, and especially the Ferns, are beautiful, and all highly interesting to me, but after the

unqualified eulogies passed upon his specimens by the *magnus Apollo* of Botany, it may seem presumptuous in the extreme for me to find a fault with them. Nevertheless, with all due difference, I would humbly suggest that Mr. F. uses paper for drying his plants that is quite too small. How many of his beautiful Ferns might have been displayed to far greater advantage, if his paper had been a few inches larger, instead of being folded, conduplicated and ~~folded~~^{tortured} into a space of 9 by 12 inches! — If I had the direction of this matter, I would make it a penal offence to crowd and cramp a large specimen into smaller bounds than 12 by 18. and this I would make the standard size of all Herbaria. I beg you therefore to use your influence with Mr. Fendler in inducing him to come down a few rounds from the "tip top" of the ladder, and take a new start in this particular. — I concur most fully with Sir Williams in the palm which he awards to American collectors generally; for unless he has been more fortunate than myself, he has gotten no specimens from his side of the Atlantic, which can at all compare with those of Oakes, Lapham, Townsend, Chapman, Partnell, &c. &c. &c.

I am sorry to learn that the *Collinsia* plants were spoiled. The seeds are just now ripe, so that I have gather'd a few and inclose them herein. Let them be sowed immediately and the place marked. If kept until the Autumn or Spring they will not vegetate.

I thank you kindly for ^{the} your invitation to meet you at the gathering of the Amer. Association at Albany in August. — As I make no pretension to being a Man of Science, I fear that I should find myself out of my element there, although it would afford me vast pleasure to shake your hand once at least before I go hence. If I am able to
leave

leave home at all, it must be to endeavour to recruit my waning energies by sea-bathing; and as my wife prefers the "Long Branch" in consequence of her having many relatives in New Jersey, it is probable we shall go further North or East than that.

I am truly well pleased to hear that the Manual has drawn so near its completion, and as I have given out all hope of seeing your Flora completed in my day, I shall hail this new Edition with peculiar pleasure.

I thank you for your intention to remind Mr. Tuckerm of his promise, but as it is probable from his dilatoriness in executing it, that he would prefer declining it altogether, I would rather you should not press him on the subject.

Very Respectfully & truly, my dear Sir,

I am yours

C. C. Root.

Dr. Gray
Cambridge.

Wm

D. A. Gray
Cambridge

Brown May
1222
Brown
Brown
Brown
Brown

Dear Louisville, Ky.
June 18th 1856. }

My dear Sir—

Your kind favour of the 9th is rec^d. with the enclosed from Mr. Ticknor to yourself. I thank you kindly for the interest you have had the goodness to take in the matter between us, altho. I should scarcely have ventured to trouble Mr. T. further about it.

I expect to start somewhere in the course of ten days or two weeks, and shall most probably be in Washington before I go further East. Will you, therefore, do me the favour to send to me a line of introduction to Prof^r Henry?—I may receive it here before I start.

although I promise myself the pleasure of seeing you somewhere during the Summer, I beg that you will not allow my movements to interfere in the least with your arrangements.

very truly yours, C. C. Shourt.

Prof^r Gray
Cambridge

Hayfield, near Louisville Ky
July 7th 1856. }

My Dear Sir—

Your kind favour of the
24th ult. enclosing a note of introduction
to your friends Prof.^{rs} Henry and Baird,
reached me some days ago, and I promise
myself the pleasure of delivering it in
the course of this month. I will not
fail to drop you a line in the course
of my wanderings, and should ^{be} pleased
to hear from you by address to the care
of William Gulick, Esq. near Princeton
N. J. Mr. G.'s family is related to my wife,
and we shall probably be at his home
some time during our absence.

During the present as well as
last summer, I have been watching the
development of a plant, raised from Ore-
gon or Californian seeds, which, with
slight protection stood the intense cold of
the past winter, and has just bloomed.
It turns out to be a *Pentstemon*? but

Prof. Gray
Cambridge

Differ from anything in my collection,
or in your Flora of N. A. I send enclosed
a small sprig of flowers and a stem leaf.
The flowers are almost as regular and tubu-
lar as those of the "Cordak honeysuckle", to
which indeed they bear a strong resemblance,
having the same deep carmine colour exteri-
orly and yellow within — the fifth (abortive)
filament is entirely smooth and beardless.
My plant (for I had but one to bloom) was
about three feet high, the whole stem and
leaves are bluish green, and covered over
with the the mealy, water repelling dust
of the Cabbage leaf. My desire to save the
only specimen prevented me from preserving
it until the Capsules were matured; but
the root is living, and may prove peren-
nial, in which case we may obtain other
and more perfect specimens. The one I have
saved is at your service, if you think it
undescribed —

Very truly and cordially yours

C. C. Short

Mr. Wm. Gulick, W. Princeton
August 24th 1856. }

My Dear Sid - your note of the 4th inst. found me in bed here, to which I have been confined (here and at Long Branch) for nearly three weeks past. My disease is my old enemy, intermittent fever, in a masked and obscure form, which has reduced me to almost as weak a point as I was at any time last fall. My removal from a crowded and comfortable tavern at Long Branch, to the quiet and seclusion of this hospitable roof will, I trust, soon set me up again, when I propose spending a week or ten days at Schooley's mountain, where I hope I will be sufficiently recovered to resume my return homeward.

D^r. Gray
Cambridge

It will be a great disappointment to me to fail meeting you again, but

One so used to disappointments
as I am, it comes not unexpectedly - I
left hope to avoid sickness - have met
it among strangers, whilst all my family
who remained at home have con-
tinued well!

I trust that you have been
enabled to attend the meeting at Albany,
and to say a word on the subject of
Botany, if not to speak encouragingly of
its progress among the American People.
When the mantle falls from your shoulders
and from those of Sullivant and
Engelmann, on whose will it alight?

I thank you for the trouble you
have taken in the matter of Sir W. Hooker's
portrait. If you could conveniently
have it protected by a roller, and sent
to W. A. Richardson, care of J. & D. Mac-
gregor, 134 Pearl Street, N. Y. My son-in-law,
who is now in the city and will remain

for a week, will take charge of it for
me.

In our haste to reach the sea shore
we did not stop at Washington, pro-
posing to do so on our return - In this
too, my sickness will most probably dis-
appoint me -

Very truly, my dear Doctor,
I am yours sincerely.

C. C. Shost.)

Mr. Richardson lodges at the Brevort
House, N. Y.

Hayfield, Ky. October 3^d 1856.

My dear Sir—

The fine print of Sir W. J. Hooker, which I owe more to your kind intercession in my behalf than any other cause, came safely to hand. On comparing it with a smaller, line engraving which Sir William sent me some 15 or 20 years ago, I see but little resemblance. Perhaps that length of time would produce the difference even in an Englishman's face. By the way is he not a Scotchman, and how related to Dawson Turner. I see in a Catalogue of English books before me the travels of William Jackson Hooker in Iceland, published in 1812. Is this our Baronet? If so, he must be an older man than I supposed.

On my return home I spent several days in Philadelphia, where I made the acquaintance of Mr. Durand, who has, as you know, the whole botanical ones of the Quaker city upon his shoulders. How he bears the weight I do not know; but I do know that his confieris of the Acad. of Nat. Sciences, do not sustain him as they should. Indeed, I was mortified and vexed to see the manner in which the botanical part of the Academy's collected was cared for, or rather not cared for at all. — whilst ample and even magnificent accommodations are furnished to stuffed birds and beasts, and fine glazed cases protect shells and minerals, the poor plants are stuck into a dark corner, where neither Mr. Durand or any body else can possibly exhibit, or even study them to any advantage: A sight into this miserable quarters has completely cured me of an inclination I once had of leaving my

my Herbarium to this Institution. Will it be any better cared for or accommodated by the Smithsonian?— By the way this reminds me of having rec^d. the letter which you sent to Washington last summer for me. Prof. Henry has kindly forwarded it to Louisville. I was pleased to find out the Pontederia I sent you. Has your P. Torreyi formed seed?— If so please to send me a few.

Have my roots of the Helianthus Doronicoides? flowered with you? And have you satisfied yourself as to its identity, or otherwise, with H. tuberosus?— I am truly well pleased to learn that Nuttall has at last succeeded in raising plants of the Collinsia Verna. He seemed to set his heart on seeing it blooming in England before he died; and I have been sending him parcels after parcels of its seed for ten years or more. By the way, I have a greater respect and regard for this Pioneer of Western Botany than you seem to have had; for I remember on some occasion you compared him to Reginusque! Now every body knows that poor Raffy was a most bare-faced liar, not to say a rogue; and the only possible way of apologizing for his gross frauds and deceptions, is by Mr. Lincoln's charitable supposition that he was deranged. On the contrary, have you not found Nuttall truthful and reliable on all occasions?

My health, I am pleased to inform you, is much improved within the past month. My wife ascends my relapse at the Long Branch to my and botanics; for having heard so much of the Pine Barrens of New Jersey, I was anxious to see them, and examine their productions. A ride of thirty miles through them, with occasional digressions on foot, was perhaps too much for my strength. At least I fell sick on the night after my return, and was but poorly repaid for a long confinement by any thing I found.

Can you help me to any of the names of Fendler's Venezuelan plants yet?— Being about to resume my winter's labours in my Herbarium, I should like to be able to arrange as many of my unnamed plants as possible. When may we expect from you another fasciculus of those of Lindeheimer, Wright, Fendler, &c. &c.

I desired Mr. Richardson to enquire at Putnam's for your Bot. North & Middle States, 2^d Edition: but he learnt that it was not yet published!— What now delays it?— Did our friend Carey give you any emendations, or additions, to his Caries; or has he, like so many others, utterly repudiated Botany?

Have you not said to me that you and Mr. Gray had friends and relatives in the West, whom you intended soon to visit? What better time than the present can you select to do so, and I think I can safely promise you an exemption from our endemic diseases, as well as pleasant weather, for the next six weeks. And although the West is a somewhat more comprehensive term than it used to be, yet I hope your tour may lead you somewhere in our neighbourhood, so as to give us the great pleasure of having yourself and Mr. Gray under our roof.

Here is a long letter for a busy man to read, and not a short one for a lazy one to write. I trust, however, you will take it as a discharge in full for your late favour in this way—

Ever very truly yours,

C. C. Thos.

D^r Gray.

Prof. Gray.

Harvard University.

Cambridge.

Hayfield, near Louisville, Ky.

November 16th 1856. }

My dear Sir—

Your kind and obliging favour of the 10th ult. reached me some weeks ago; and more recently I have had the ^{pleasure} favour of receiving from you an indication of the families to which Fendler's Venezuelan plants belong—for both of which you will please accept my thanks, together with my apologies for not having sooner acknowledged them. I could have wished that Fendler's plants could have been more fully named, but I cheerfully wait your leisure in this matter, hoping that at some future day it may be convenient to you to furnish them to me.

You have my most hearty consent to speak or write to Prof. Henry on the subject of my Herbarium, and of the disposition I have thought of making of it. The collection has cost me a great deal of time and labor (although it may have been a labour of love)—I trust not an improbable labor, and no small amount of money; and I could wish that it might be so disposed of, at my death, as to be of use—some little use—to the cause of Botany. Whether this end could be best subserved in the Smithsonian, or embodied in your own Collection, I own that I am not able to determine. — I have thought also of another bequest with a view of doing something in the good cause, even after my death—perhaps more than I have ever done while living—it is this—To leave in trust to yourself, Mr. Sullivan and Dr. Engelman, say \$10,000, to be used in some safe and productive way,

Yours

the interest to be annually appropriated towards the development
of American Botany, by the employment of a "competent collector in
the less known portions of the continent" — one complete set of the
specimens so collected to be incorporated into my own Herbarium, where
ever that may be, the others disposed of as the Trustees may deem
most expedient — \$10,000 at 10 p^{er} ct, which I suppose might be safely
counted on, would yield \$1000 annually to be thus appropriated —
what think you of this idea? Could the same amt. be disposed
of more advantageously in any other way? —

— W^m. Sullivan has done me the favour of sending me
a copy of his very pretty book on the mapes, but I have not yet
had the pleasure of seeing the last edition of your Botany of the
Northern and Middle States, although my Bookseller in Phil^a. has
been requested to send it to me.

The note from Dr. Engelmann, enclosed in your last,
gives me the first intimation I had of his intended voyage to
Europe. What takes him there, do you know? — I hope we are
not to lose him also from the thin ranks of American Botanists. —
He has kindly sent me a copy of his monograph on Cactaceae,
which seems to evince a great deal of patient research. Betman
himself, is not our German friend rather too much given to the sin
of specie-making, or rather making species? — How it may be with the
intractable Cactus family I do not pretend to say, because I know but few
of them; but his subdivision of the Cuscutaceae has turned too much,
I fear, on what Muller terms "desperate microscopical differences."

I would trouble you farther, but the miserable pen
I am writing with compels me to stop.

Ever most truly yours C. C. Short

Near Louisville, Ky.
November 19th 1856.

My dear Sir—

In affixing the names and families to Fendler's Plants of Venezuela, I am somewhat perplexed by the manner in which Mr. Wright? has numbered some of the names— for instance, "1112—6. Phoradendron."— Does he mean that all the numbers between 1112 & 1116 are Phoradendrons?— This by the way is a new genus not to be found in Endlicher!— Is there any other more recent enumeration of Genera than Endlicher's?—

D^r Gray
Cambridge

I did not know that Mr. Wright had returned from the Exploration he undertook a year or so ago!— Ha, he brought collections with him?—

I wrote to you on the 16th.— Pray take your own time to reply to that, but please take time now to inform me as to the matter I enquire about.

Very truly and affectionately
yours A. C. Shott.

Hayfield, near Louisville, Ky.

December 9th 1856 }

My dear Sir—

Your long and very obliging communication of the (2^d. inst. reached me last evening: I had a few days previously been favoured with your two letters of the 24th & 25th November; and soon after these, your Second Edition of the Manual reached me safely through the mail. For all and each one of these repeated favours you will please to accept my very hearty thanks. The beauty and utility of the Manual are much very greatly increased by the very handsome (and no doubt minutely accurate) plates which accompany this Edition; but I am truly sorry to hear that you are likely to suffer, in pocket, from the delay attending its publication, and the cost of the plates. It will be a long time, I fear, before these labours of love on the part of American Naturalists will be properly appreciated or duly requited by the American public.

Leaving two subjects matter of your last letter, where you have dropped them, I say nothing more in regard to them now, except to thank you for the suggestions which you have thrown out on each; and which I shall duly consider before I act definitively in regard to them. I proceed now to the more immediately pressing subject of your letter, and say at once that I am heartily willing to aid you, by the contribution of the sum you have indicated, to secure the services of Mr. Sprague for a while longer; and you will find herein my checks on the Bank of Pennsylvania, Philadelphia for \$100. I should be much pleased

Y^{rs}

if some plan could be devised for the permanent enlistment of this most excellent artist in the good cause which we have so much at heart. In what work will he be next engaged for you? - Is he the engraver, or copper, of the beautiful maps of Mr. Sullivan's work, from which I understand those in your manuals to be transfers on stone? - How long, under present arrangements, will it be, before we shall be favoured with another volume of your General illustrations?

Should Dr. Torrey not need the extra volume of Decandolle you have recd. I shall be very glad to get it.

In a late N^o of Hooker's Jour. of Botany, I saw a notice of Brackenridge's publication of the Ferns of the Exploring Expedition under Wilkes. Was it executed in this country or Europe? - I have seen no notice of its publication here. Can it be had in Boston or New-York?

The *Phoradendron* (*Viscum*) *flavescens* which was becoming a nuisance in this country from its great multiplication and injury done to the trees on which it grew, was totally destroyed by the intense and long continued cold of last winter, and now not a sprig of it is to be seen in this region!

I hope you will let me in for a share of Wright's collections in Cuba. I have long endeavored to get plants from that island, Jamaica and other of the West India group, but have only succeeded in obtaining a few poor specimens of Jamaica from Dr. Alexander, of London - By the way, Mr. Wilton, of that island, promised me some ferns, which he said he would send to you or Dr. Torrey. Have you heard anything of them?

Very truly, my dear Sir, I am, with great regard
Yours, C. C. Short.

Prof. Gray,
Cambridge
Mass.

Near Louisville, Ky.

March 3^d 1857.

My dear friend.

I thank you very kindly for the letters of Messrs. Wright and Fendler, which I have read with much interest & pleasure, and now return them to you. I hope, if their gatherings are not already preengaged, that you will manage to secure a set of each of them for me.

I have been intending every day for a month or more to reply to several communications which you have favoured me with since the beginning of winter; but a good deal of bad health and still more depression of spirits arising from that and other causes, have almost unfitted me for ordinary duties. I hope however to write more fully soon.

In the meanwhile you will please to believe me very truly & sincerely
yours, C. C. Shurt.

Prof. Pray
Harvard University.

Hayfield, near Louisville, Ky. May 19th 1857.

My dear Sir—

Where shall I begin to thank you for your late numerous favours, the last of which—your admirable "Lessons in Botany" reached me a few days ago? If I could have had such a work placed in my hands when I was first smitten with a love of plants, instead of the dull, pedantic and pretentious "Elements" of my old Teacher Barton, I might have attained to some knowledge of the Philosophy of the Science, instead of a mere smattering of the Linnean system, from the snares of which I have never been able to free myself.—Such are the prejudices of education—such the evils of a wrong start at the beginning! I trust sincerely that your excellent work may become the text book of all beginners, and that Teachers themselves may study its "Lessons" well, before they begin to teach them to others.—"Indocti discant et arment memine periti."—

I have had an eye to your request in regard to the germination of certain seeds, but as yet none of those you have named have occurred to me. Would it not be best to place the seeds under favourable circumstances for germination, and watch the process under your immediate eye? The *Gymnocladus* is very tardy in its progress, as it never vegetates, when left to itself, under two years, or rather until the second spring after being planted—the others, which you enumerate, vegetate more kindly. If desired I will send you seeds of all of them. What is to be the character of the paper, which you are preparing for the Smithsonian Contributions on Forest Trees?—I hope you will be able to secure for Mr. Sprague a good fat slice out of the fund, for the engravings, or illustrations of, your communications.

I was much disturbed to learn by one of your late letters that Dr. Torrey had taken up the impression that my feelings towards him had been unfavourably inclined! What could have so impressed him I am at an entire loss to conjecture. At the time that the Scamp from Sweden ran away, and left us in the lurch, I became informed through Dr. Harding, of North Carolina, that he had borrowed money on the credit of Dr. Torrey and myself; and being anxious to relieve him (Dr. T.) from all liability or loss on this account, I wrote several letters to him, for the purpose of ascertaining as far as possible the amt. he had placed in the fellow's hands and the debts he had contracted; that I might discharge them all, and thus absolve him from all responsibility. I fear that the frequency, and perhaps the importunity of these letters, may have annoyed him, and thus have led him to construe them wrongly. I assure you that I should regret this exceedingly, as I have ever had a very great regard for Dr. Torrey; and no one, not on more intimate terms of friendship with him or his family than myself, could have felt more sensibly, or condoled more sincerely with him, in his great affliction than myself. It has been a long time since I have had a letter from him. This I can readily attribute to his more important and pressing engagements; and it has been some considerable time since I have written to him, mainly because I had nothing to communicate which I considered worth troubling him with. I beg therefore that you will do me the favour to set this matter right before him.

I am much pleased to learn from you that Mr. Wright is doing so well in Cuba, and I hope before he leaves that benighted land he will do much towards the elucidation of its Botany. Is there no danger of his being apprehended and garotted for a filibuster?

I was greatly pained to perceive that Mr. Carey's *Scestrum* was offered for sale in London, "in consequence of a recent severe bereavement in his family." Do you know what this is, and what new misfortune has befallen this unfortunate man? - I had hoped that on his return to his native land, great as would be his loss to American Botany, a great gain would have been his in this world's happiness; but he has found, I fear, that misery and misfortunes await us as well on one side the Atlantic as the other; and that no real and abiding joy is to be expected until we reach that land "where everlasting spring abides, and never withering flowers".

— Is not this about the time that you and Mr. Gray talked of making a visit to the West? - I should be delighted to welcome you to my poor home, at this, the most pleasant season of our year; but I should dread to see you here after the middle of July. Your Northern constitutions would scarcely be able to resist the poisonous influences of our Western miasms.

The past winter has fully proved the entire inability of the *Paulonia* to stand the rigors of our climate. Several trees on my ground, one foot through at the base, and 20-30 feet high, after languishing through the summer, from the effects of the preceding winter, have now fairly smothered under, and are dead root and branch. As for the *Amuricaria*, the *Seodae Cedar*, the *Cryptomeria* and other evergreens, so generally introduced through the recommendations of Downing, the winter of 1855-6, was enough for them; and I trust they will no longer be obtruded on the public by ignorant or designing nurserymen as "perfectly hardy". Even the delusion under which some western people began to repose, that we should soon rival "the vine-covered hills and gay valleys of France", in the making of wines, has been dispelled; and the

vines of Catawba, Isabella and Berkemonts Madeira are all killed to the ground! — As for the Peach-tree, it must be hereafter banished to the Canada, and Carolinas; our intermediate zone, with a Thermometrical range of 130 degrees, will not suit it. — The trees themselves are very generally destroyed, and the trouble is saved us of examining the flowers.

Have you heard lately from Dr. Engelmann, and how long does he propose remaining in Faderland? Is there no danger that we shall lose him too from the small and still declining list of American Botanists? — Has his paper on the Cactaceæ been yet published, and how shall I obtain it? — I wish that we could secure for him the large collection of this tribe now on sale at Mr. Copie's (Philadelphia) who has I believed raised from the seed many of the species found by Wright in Mexico. —

This is a long letter; but as I have not troubled you much of late in this way, I trust you will forgive me, for the loss of the time it has taken you to read it.

With kindest regards to Mr. Gray, I am,

My dear Sir, very truly yours,

(C. C. Short.)

Dr. Asa Gray,
Cambridge Mass.

Shall I return you poor Carey's letter in
our letter to Boots? It comforts so well with
that sad saucer which so frequently comes over
myself, that perhaps it may do me good to read
it over again - I heard from some source, some
time ago, that Dr Boots was preparing for publica-
tion an elaborate treatise on Canines, & the illus-
trated with plates of each species. Do you know
anything of it?

With best respects to Mr Gray, I am,
my dear Sir, very truly yours

C. C. Short.

Dr Gray
Cambridge

und. J. 1.

Hayfield, near Louisville, Ky.
August 4th 1857.

My dear friend.

I am quite ashamed of my-
self for not having sooner acknowledged your
kind favour of the May 26th - June 23^d, nor having
thanked you for another photograph of yourself
which came safely to hand before your last letter.
Truth is, I have so little to say which can be
of any interest to you, and I dislike so much to
trench on your time which is so much better em-
ployed, that I have delay'd too long that which
common civility - to say nothing of obligation or
friendship - tells me should have been sooner done.

I am truly sorry to hear of Mr Carey's af-
flictions which I had not heard of until you
told me. Poor man! he has experienced a full
share of the sorrows of this life. May he enjoy a
fuller portion of the happiness of that to come! -
If I were younger, or in a better condition to be in-
structed thereby I would gladly be the purchaser of
his Herbarium, at a more liberal price than he

as offered for it in London; for I have great confidence in Mr Carey's honesty and accuracy. But I have already more of these things than I have time or ability to study, or than I know what to do with when I go hence. —

I received from Dr Engelman shortly before he went to Europe a copy of his synopsis of Am. Cactaceae. It was to his fuller account of these plants, which is to appear in Whipple & Emory's Reports that I refer'd in my enquiries of you. I will endeavour to obtain them through some of our Congressmen as soon as they are published.

I am quite delighted to learn that so large a number of the students of Cambridge seem inclined to avail themselves of the opportunities offered them for instruction in Botanical Science. Upon you almost alone depends the rearing a corps to succeed us, or to be your future helpers; for I know of no recruits who are enlisting in any other part of the country. Is young Eaton to whom you refer one of your pupils? — I am gratified to learn that he is likely to keep alive in his person, the botanical ardor so long prevalent in his fa-

family. Will you please to present him, with my respects, one of the copies I send herewith of a Memoir I prepared some years ago of one of his uncles, then a very young man, who, had he lived, would I think have been an ornament to science.

It will afford me great pleasure to receive the parcel of Chimborazo and Cordoba plants you mentioned at any price you may choose to put on them. Are you able to help me to any more names for Fendler's Venezuelan, or Holton's New Grenadian Ferns? — By the way I see that Huxley has returned, and is about publishing his Australian Algae. What has become of the set he proposed distributing?

I fear you will hardly be gratified with a sight of Sir William Hooker, on this side the Atlantic; though, if he has the energy of body preserved by his Octogenarian Countrymen, Brown and Menzies, at his time of life he would think nothing of crossing the ocean. Fortunately his mind and body have not been depreaved by residence in an unhealthy region.

Hayfield, Ky. near Louisville.
Sept. 10th 1857. }

My dear friends.

On returning home yesterday after an absence of four weeks, I had the pleasure of finding here your very agreeable favour of the 18th inst. with its several inclosures, all of which were read by me with much interest — one of these — the letter of Mr. Fendler, I herewith return you, as desired, — I am truly sorry to see that this zealous, active and intelligent collector is so hampered and cramped in his labours by the want of money. How is it possible that he can do anything, in such a country, without assistants, pack-horses, or carriages of some sort? Would ^{not} the advance of a few hundred dollars aid him materially? and would he be willing to accept this aid from me, to be returned at such time and in such manner as may be most convenient and agreeable to himself. You know him personally, and can therefore best answer these questions. To me it seems a pity and a shame that one so willing, and so capable of aiding the advance of Science in the benighted region he is now exploring, should be obliged to suspend his labours in the good cause, and devote himself to brewing beer and distilling Brandy!!

In another matter mentioned in your letter I must beg your intercession in my behalf. It is this. I cannot consent that Dr. Toney should 'surrender' his set of Harvey's algae to me, knowing as I do that they will be so much more usefully appropriated in his hands than in mine. Be so good therefore as to
beg

beg Dr. T. to retain them; and as I understand from you that you have paid Harvey for them, will you ask the additional favour of Dr. Tovey to accept them as a present from me?

I am truly sorry to learn that you have any cause of uneasiness in regard to Wright; more especially as this is the season of the dreaded vomito of Cuba: I pray, however, that he may, by this time, be safe on our own shores.

Mr. Sullivan has been so good as to send me a copy of his very beautiful paper of Whipple's survey.

In haste to return your Henderson's letter, I close with every assurance of friendship and regard.

Yours most truly,

C. W. Shost.

Prof. Gray,
Cambridge. }

1
Near Louisville, Ky. }
October 27th 1857. }

My dear Sir.

Your favour of the 12th inst.
has been received for some days, but in-
disposition has prevented me from respond-
ing to it until now. — I am truly grieved
to hear of the loss which you, or more par-
ticularly M^{rs} Gray, have sustained by these
miserable arrangements. It is indeed a sin
and a shame that, reckless prodigality and
extravagance — hazardous speculations — dan-
gerous commercial enterprises, and all the other
mad ~~enterprises~~^{schemes} of the day cannot be made
to vent their assaults on those who engage
in them, without sweeping away in their
destructive vortex the hard-earned savings
of honest and prudent people. I thank
you for your kind wishes in regard to my-
self, but in the general and wide-spread
desolation I could scarcely hope to escape.

D^r A. Gray
Cambridge

Yours

3.

to Dr. T. concerning them,) I feel myself at present constrained to forego the purchase of it. I wish sincerely he had retained the set of Harvey's Algae. I know so little about these things that they are useless to me. Would he be offended if I should return them to him? with a request that he would accept them from me.

Will not Mr. Eaton be able to remove the ferns of this collection without waiting for Grisebach?—The set you intend for me you will please to have securely packed up and sent by express, directed to the care of Mr. Allen Richardson, Louisville, Ky. Has Dr. Engelmann yet returned?—Mr. Sullivant has been so kind as to send me his notes of Whipple's Expedition—a very pretty thing.

Have you heard anything from Fendler lately? I must not suffer the change in money matters to prevent me from fulfilling my engagements to him—

Very Respectfully & truly I remain

Yours C. W. Short.

2

Two items with which alone I will trouble you, may suffice to show you that I am not more fortunate than many others infinitely more deserving. The Bank of Pennsylvania has shut down on \$2000 which I had on deposit, and which is as good as gone; and a note which I held on what was considered a first rate house in New Orleans, has been just returned to me protested for non-payment, the firm having failed. By this "operation" I shall lose about \$8000.— But let it go!— If I had lost it by my own imprudence or folly, I should have cause of greater regret than that it has gone by the gambling of others.

I hope in a few days to be able to go to Louisville, which I have not been in a condition to do since the recd. of your letter, when I will endeavour to procure a draft on some solvent concern in New York or Boston (if any such are left,) for \$100, and send it to you. This will pay for my set of Mr. Wright's plants, and leave a few dollars in your hands. As to the other set (if you have given no intimation

Near Louisville, Ky. Nov. 3. 1857.

My Dear friends--

On the 27.th ult. I wrote to you, acknowledging the receipt of a late favour from you. I have now the pleasure of writing again, mainly for the purpose of enclosing a draft on the Bank of America, New-York (which I believe is one of the few solvent Institutions of the kind left in the country.) for one hundred dollars. I tried to procure a draft on Boston but found it impossible. The sum now forwarded will pay for the parcels of Mr. Wright's plants of Cuba, which you have kindly laid out for me. I hope you will do me the justice, rightly to appreciate my motives in declining to take the other set. Loss upon loss compels me to look more closely to my expenditures. — My Brother and myself lost about \$10,000 by the failure of the Bank of Pennsylvania!

If it be entirely convenient — that is if it will not give you too much trouble, I would be greatly obliged to you to have put in the same box, in which you send Wright's plants, a few quires of the stuff yellow paper which you use for Geneva wrappers. — the sheets being 22½ by 18 inches.

Direct to "C. W. Short,
Care of W. Allen Richardson
Louisville, Ky. "

and send by Express.

Very truly & cordially yours

C. W. Short,

Dr. Asa Gray,
Cambridge,
(Mass.)



Near Cincinnati, Ohio. Nov. 23. 57.

My Dear friends —

A few days before I left ^{home}, the parcels of Cuban plants reached me, and on the morning of my departure I had the pleasure of receiving your favour of the 7th inst. informing me of safe arrival at your hands of the draft for \$100. I regret very much that I did not think of the Cotopaxi ferns when I sent you this draft, or I would have added thereto the cost of them, which I must now meet in some other way immediately. In the meanwhile, when you send me ^{the} portion of these ferns which you have been so good as ^{to} destine for me, I will thank you to add to the parcel the manilla paper which I requested in my last.

The number of the Mem. Acad. Am. you enclosed in the box came safely to hand; but I regret that I am not classic enough to appreciate fully the long, learned, and laboured article on the "Age of Petanius arbiter." — The same amount of pains-taking research bestowed on some botanical monograph would have been more to my taste.

Please to let me know as soon as you hear from Fendler. Should he have made any calculations or arrangements based on my propositions, he shall not be disappointed, so far as I am concerned.

I am here on a visit to an only brother, living on the Ohio River some twelve miles below Cincinnati, but expect to be at home by the end of the week, when I shall be happy to hear from you — In the meanwhile & always, I am yours truly C. C. Short.



Prof. Asa Gray, M.D.

Harvard University

Cambridge,

(Mass.)

Wm. B. F. V.
March 1

Near Louisville, Ky.
Feb. 7th 1858. }

My dear Sir—

I have been very remiss in acknowledging the receipt of your kind fav.^r of the 26th Dec.^r together with the accompanying one from Fendler. I read the latter with much pleasure attended with no little sorrow—pleasure to hear that he is safe and in health—sorrow to find one so fond of Science and so willing to devote his energies to its pursuit, compelled to prostitute those energies and that will to catering to the worst appetites of human nature. But poor fellow we cannot blame him! If Science will not sustain him he must support himself in some way; and no pursuit is more likely to profit him in semi-savage Venezuela, or in Civilized America, than the fabrication of intoxicating drinks! Should he determine at any time (while I live) to turn from this business to his just love, I hope to be able to fulfill my promises to him.

Prof. Gray,

Harvard University

You and Mr. Gray are certainly right in your determination "to be cheerful and happy let the times be as they may." and here, my dear friend, you must permit me again to congratulate you both on the happy exemption you enjoy from care, anxiety and sorrow in the circumstances of your not having Children! For my single self I do not hesitate to affirm that in the anxious solicitude—the never sleeping watchfulness—the ceaseless apprehensions of a parent, I have undergone more sorrow and suffering than from every other cause together. And although I cannot deny that my Children have contributed largely to my happiness in life, yet, strange as it may appear, they have caused me much more watchfulness.— I cannot, therefore, but think that Childless I should have been a happier, as I am certain I should have been a much more useful man.

I pray you not to trouble yourself about the Manila paper for me. I shall
sincerely

need it this winter, and perhaps not at all. I have not had the heart or the energy to do anything with my Herbarium for some months. Perhaps, if I should take it up again, I may have more room for the parcels of useless innominate which now cumber my shelves. Do you hear anything from Grisebach?

The last N^o. of Hooker's Journal of Botany announces his discontinuance of the work, and as I have taken it from its first incipency, through all its changing forms, the announcement seems a sad one to me; as it appears to indicate the approaching termination of the labours of its time-honoured Editor. He told you last year that he was 73. How few at that age have his energy!

Pray excuse the sombre hue of this letter—a gloom hangs over me which I find it impossible to dispell, and I will not darken your brighter sky, by keeping you longer under it—

Very Cordially, my dear Sir, I am yours
E. W. Short

Near Louisville Ky. May 31st, 1858.

My dear Sir—

An absence of several weeks from home (on a visit to one of my Daughters who resides in the interior of the State,) has prevented me from doing, what I should have done before I left home, —acknowledging the receipt of your kind and welcome favour of the 3^d of March, since which date I have not had the pleasure of hearing from you. By this time I trust that you are through with the work you were then engaged upon — "a popular book for beginners." Is this a new Edition of your "First Lessons", or is it something still more elementary? — You have, it must be confessed, done your part towards rendering the rudiments of this Science intelligible to all, and if all who hereafter pretend to study it do not get a right start, it will surely not be your fault. And after all there is nothing like getting a start on the right track, and to the "error of Education" at the beginning — to Barton's Elements of Botany, and the trammels of the Linnaean system, do I ascribe the little head-way I have made, after fifty years plodding labour at it! In this as in every other pursuit of life the homely advice of Davy Crockett is surely applicable — "Be first sure that you are right, and then go ahead."

From your pupil Mr. Eaton I had the satisfaction some weeks ago of receiving the names of Wright's Cuban Ferns; and more recently he has sent me Lindley's determination of the Orchids of the same collection. In return for these favours I am now putting up for Mr. E. a set of plants for his Herbarium, some of which were prepared by his lamented uncle (H. Hulbert Eaton,) when a little school-

boy

boy at the Peninsular Institute at Troy, under the tutelage of his Father the venerable Amos Eaton. This collection, much enlarged after he removed to Kentucky, became mine by purchase after the death of the former of it; and the portion I return to the nephew will I hope be an interesting relic and memorial of an Uncle, who had he lived would undoubtedly have been an Ornament to the Science. I trust, moreover, that the present incumbent will worthily wear the mantle of Grandfather and Uncle which have now fallen on his shoulders.

If I was thirty years younger I would certainly take your advice and visit Europe, if only to pay my dutiful respects to the "Good Sir William": but at my time of life, with a constitution shatter'd by repeated illnesses, and a mind constantly on the que vive of watchful anxiety for the health and well-a-do of children and grand-children, of whom I have now twenty five to care for, (although I have already lost nine,) you may readily suppose that the chances of enjoying the trip would be greatly against me. An acquaintance of mine, leaving home to be absent for two years in Europe, enjoined it upon his family, which was a large one, and upon all his friends, not to write to him whilst he was gone - he would be content to hope for the best, and had rather remain in ignorance than be distressed by unpleasant news from home! If I could bring myself up to this point of Stoical philosophy I might make the voyage too. But I am no Philosopher, and am prone to be over-much pained by the ordinary calamities of life.

Have you had any recent intelligence from Fendler? I fear that the political troubles of that ill-fated country will break up his viewing as well as his botanical pursuits.

Please to present my compliments to Mr. Gray, and be assured of my very great regard. Yours very truly

C. C. Short.

I have a number of fine plants of *Penstemon Torreyi* from the seeds you kindly sent me last Spring. They are three feet high and just begin to show flower-buds. Did your gardener succeed with the *Collinsia verna*? The seeds of it are now just opening, and if now sown would surely vegetate this fall. Shall I send you more of it?

Prof. A. A. Gray, M.D.

Cambridge,

(Mass.)



Hayfield near Louisville, Ky.
July 14th 1858.

My dear Sir
Your kind favour of the
14th June has been some time before me,
but the growing indolence of years and in-
different health have postponed its acknow-
ledgment until now. — In the meanwhile
I have received your admirable little "Botany
for young people", and in looking over it I
have felt addition regrets that I was not
young again, to have the pleasure of being
started right by such a beginning — Regrets
of this sort, however, are vain, and equally
vain, I fear, the hope that all young persons
would avail themselves of such an instructor.

Before the rest of your letter our
plants of *Collinsia* had shed nearly all their
seeds, so that my gardener was able to find
a few only, which I herewith enclose — Its ha-
bits are so queer that I fear you will raise
no plants, unless you sow the seed this sum-
mer. Mark the spot, and I think you will
find

Prof. Gray,
Harvard University.

that they have vegetated before winter; of-
ten which they will be able to take care of
themselves; having stood in this state a pro-
longed winter with us, with the mercury
frequently below zero.

My plants of *Penstemon Torreyi*
have flowered finely, some of the stems at-
taining a height of 6 feet, and thickly set
with scarlet flowered. It is a much finer
species than *P. Centranthifolius*.

To day I have sent off to Mr. Eaton,
(directing the parcel to New Haven,) quite a pack-
age of plants—some of them preserved by
his deceased uncle thirty years ago, some by
myself much more recently, and some from
various other sources. I hope among them
all, may be some of interest to him.

The late intensely warm weather,
during which the Merc. stood at 92°–96° at
mid-day for a month, has prostrated me
excepinely, and we are talking of going to
some Mountain or Sea-side retreat, for
the

purposes of recuperation. Should our
travel take us anywhere within reach of
you. I hope to have the pleasure of meeting.
But whether so or not, I beg you to be
assured of my continued and high regards.

Very truly yours,

C. C. Short

and chooses to return to Botany, I will lend him a few hundred dollars to assist him in his pursuits. —

In a letter which I wrote lately to Mr. Eaton I took occasion to mention the Cotopaxi and Chimborazo ferns which you promised me some time ago. You see I do not easily forget promises which are made to me, however oblivious I may be of those I make myself!

I am much pleased to hear from you that you are getting the Cambridge Garden under a condition of permanent foundation, and increasing usefulness. How many acres have you appropriated to this purpose? Can I send you any plants, roots or seeds from this quarter for your garden?

Very truly and gratefully I am,
my dear Sir, yours,

C. C. Wright

Prof. Gray.

Hayfield, near Louisville, Ky.

October 15th 1838.

My Dear friend.

A long absence from home, to which I have just returned, will explain to you, I hope satisfactorily, why I have not sooner replied to your kind favour of the 23^d July, which arrived during my absence, and was not forwarded to me in consequence of my frequent change of place. I found also on my return Dr. Boott's most acceptable present — his magnificent work on the Carices! for which I have endeavoured to express to him my thanks in the enclosed note, which you will greatly oblige me by forwarding to him post-free, and charge my account for the same. In looking over this beautiful volume I have not found some of my old acquaintances, as *Carex Buxhamii* — *C. Fraseriana* — *C. stenolepis* — *C. lacustris* — *C. Muhlbergii* W. & A. — from which ornipons, I am led to hope

that

Our estimable author intends to favour
the world with one or more additional vo-
lumes of these splendid "Illustrations". In
returning him my sincere acknowledgements
for the great favour he has done me, I
wish that, I could promise him some fur-
ther contributions from this part of the
world; but I believe the regions within my
reach have been well nigh exhausted.

My wife and myself desire to ex-
press to you and Mrs. Gray our very sin-
cere thanks for the kind invitation you have
given us to your house at Cambridge, which
most certainly we should have accepted, if
we had been able to get so far; but in
an attempt, which we made, early in the
summer, to reach the La-Boite, we were ar-
rested on the summit of the Alleghenies in
Pennsylvania, by serious increases of indisposi-
tion which confined me to bed for weeks,
and induced us to return to the West. On
our return we spent two months in the

interior of this State about Lexington—a
much more healthy region than this, and
from this sojourn I have derived very great
benefit. Indeed, for a month past my health
has been as good as for some years past.

In the course of my rambles this
summer, I visited a locality where, twenty
two years ago, I first found *Michauxia Lep-
tanthus ovalis* and where again I had the
pleasure of finding it in great beauty and
abundance. As this is the only spot in
which I have ever met with it, in all my
many and careful explorations of the West, I
am induced to think it a very rare plant.
In your "Manual" I see you credit it to Virginia
and Illinois. Have you received specimens from
either of these localities? Will you have some
of my recent gatherings?

Any letters or news lately from Mr.
Hendler?—I hold myself ready at any mo-
ment to fulfil my engagements with him—that
when he finds brewing unprofitable in Venezuela

Near Louisville, Ky,
October 26th 1858.

My dear friend

I had the pleasure a few days ago of receiving your letter of the 15th Oct.^r enclosing two from Mr. Fendler to you, by which I am truly sorry to hear of the failure of his projects in Venezuela - the sacrifice of his little property, his determination to leave that country and return to this.

D^r A. Gray,
Cambridge

As it is probable he will need a little money as soon as he arrives, I take the liberty of troubling you with a check for \$100⁺, which you will please hand to him, and which he will please to credit me with on account of my late collections, with a portion of which I trust, he intends to favour me.

I am pleased to hear that we may soon expect to get the names of Wrights,
(+ On Girard Bank, Philadelphia) Cuban

Cuban plants, and that Mr. Eaton
is about to enter on the Examination
of your Cotoxipi and Chimborazo Ferns;
in which labour I trust, he will meet
with much to interest him.

I wrote to you on the same
(day your last to me is dated, Oct. 15th)
which letter I trust that you have
recd. together with one enclosed to Dr.
Bullb thanking him for the Copy of his
beautiful "Illustrations of the Genus Carex."

I did not know until I got
your last letter that Dr. Engelmann
had returned. - Whatever he and you
may indicate, or recommend, as the next
field of labour for Mr. Fendler, I am ready
to cooperate in, to any reasonable extent.

Very truly and cordially

I am yours,

W. C. Short.

Dr. A. Gray.

Hayfield near Louisville,
Nov. 21st 1858 (Ky.)

My dear friend.

Your favour of the
30th ult. reached me in due course.
I have sent Fendler \$40. (in the care of
D^r Engelmann, whose return to St Louis
I had not heard of until through you.)
for the 393 species contained in n. 6 of
his last Venezuelan collection. This, you
will please to use your own conveni-
ence, in sending at once to me by Express,
or waiting for the Colopaxi plants when
they are ready. W. Eaton, I hope, is now
with you, working with your aid at
fine plants. - If I was forty years youn-
ger I would go to Cambridge and bind
myself to you for five years! In that
time I should hope to know something
of Botany.

I subscribe most heartily to
your proposition in regard to Fendler's

D^r Gray
Cambridge

Collections N^o 3. for Grisebach, and
I am sorry you did not retain the
checks I sent you, for this purpose.
Please to let me know what I shall
send you for this object, as well as to
pay my share of the cost of the Chino-
borago plants. You will note it I
hope a part of the condition with
Grisebach that he must send us the
names speedily. The plants in my collection
of my collection is becoming so large that
I am alarmed at their magnitude.

I am sorry, indeed, to learn
that Mrs Gray's health is not good, and
wish that she had the benefit of the
mild winters of Kentucky, for although
I displace the malarial of this region
in latter summer and autumn, I doubt
not that it is a more healthy winter
climate than that of New England.

With kindest regards to her, I am,
my Dear Sir, very cordially yours.

Wm. C. Coker.

Hayfield Hy. Jan 13th/89.

My Dear Friend—

Hoping that by this time it may be convenient to you to let me have some more names for Wright, Fendler & Beulandiers plants, I write to beg the favour of you to furnish me with as many as you can—using, of course, your own entire convenience as to the time. A few months in the winter is the only period of the year in which I have the strength or energy to devote to the arrangement of my Herbarium, and the introduction of new material into it—The heat of our summer, lasting for nearly eight months, and loaded for the greater part of that long time with sickening and depressing miasmas, utterly unfit me for exertions of any sort.

If you have not already forwarded to me Fendler's last parcel of Venezuelan plants, and those of Cotopaxi &c, may I beg the favour of you to send me in the case along with

them a few quires of stout Manilla² paper, for generic covers. To suit my arrangements the sheets should be 18 by 22½ inches, so as, ^{when} well folded, to be 18 by 11¼. I have used a good deal of the kind inclosed and should like it as nearly similar as may be.

I thank you for forwarding to me Dr. Boott's very pleasant and kind note. I am truly sorry to hear that his health is not good; but hope ardently he may soon be enabled to resume his beautiful "Illustrations."

I have received none of Decandolle's *Prodromus*, after the 2^d part of vol 13. Is the succeeding volume to be had in Boston? If so pray send it to me. — Pray excuse the multitudinous trouble I give you.

If Mr. Eaton is with you I beg you to present him my respects.

very truly and faithfully I
am yours

C. C. Short.

Dr. A. Gray.

P.S. I shall anxiously await your orders for roots &c. for the Cambridge garden this spring. I think I have the roots of a new *Helianthus*, from the Prairies of Illinois — certainly different from anything in my Herbarium, or in your Books.

Wayfield, Ky. Jan 23/59

My Dear Friends.

Your kind favour of the 15th inst. reached me last evening, having crossed on the way mine to you of the 13th inst. — I had hoped that would have reached you before you had despatched the plants to me, and in that hope I requested you to enclose with them a few quires of thick paper for genera covers. As it is, however, I beg that you will give yourself no further trouble about it, as I can manage to get on this winter without it. Let it, therefore, rest, if you please, until another occasion.

I am truly sorry to learn that M^{rs} Gray's health is not good; and fear that the rigors of your Boston Winters are too great for her. We have in this latitude the most variable climate on the face of the globe. Twice already this winter — has the thermometer fallen 50 de-

Prof^r Gray,
Cambridge

degrees in the course of twelve hours!
If her health is not better before the
next winter cannot you make out to
spend a few months with her in Bermuda,
Jamaica, or some of the intertropical islands?
As to Cuba, I cannot think of it with
any satisfaction under its present mis-
rule. Has Wright gone back there?
Is there no danger of his being taken up
and shot for a filibuster? by the ignorant
fanatics of that benighted land? For my-
self I should think it as safe to explore
the Heze islands.

You have said nothing of late
about Mr Sprague and his engagements.
I should like to know what he is doing, and
hope sincerely that you may have him pro-
fitably employed, either in another volume
of your 'General Illustrations', or some other
useful work. You have, I think, never
called on me for the aid I promised to af-
ford him. Nor have you called into requi-
sition my quota of the contribution for the
plants you proposed sending Grisebach?

I am truly well pleased to
learn that you and your friends are
likely to get out of the late pecuniary
crisis, with less loss than you had appre-
hended. As for the northern people, they
had swamped themselves so deeply in spe-
culations in foreign western lands, and
wild lands, which have died on their hands,
that it will be long, if ever, before they
recover from their imprudencies. My own
losses have grown chiefly out of the shame-
ful—disgraceful failure of the Banks of
Pennsylvania: and the prospects of getting
any return from it are growing every day
worse and worse. Indeed, since the
enactment of the farce of "Allibon's Trial",
and the thorough white washing which the
courts of Philadelphia have given to this
hypocritical scoundrel, I may look upon
my claim as clean gone forever.

May it never be your ill luck
to fall among such thieves!

Very truly and cordially I am

Yours
C. C. Short.

of *H. reinwardtii*! I was misled in a very hastily reference to the books, by the height ascribed to it—175 feet, when mine had attained in my garden an altitude of 8 or 10. with lower or caudine leaves a foot long, and four inches broad.— New or old, however, you shall have roots of it in the spring, with those of a great many of our plants. That queer little 'critter', the *Collinsia uerna* came up in my garden in November, and, defying all sorts of weather, is now growing finely, bearing four and six leaves. I verily believe it would stand the climate of Wellington shames.

Very sincerely, my dear Sir,

I am yours

C. W. Short,

Dr Asa Gray.

Hayfield, near Linnville, Ky.
February 6th 1859.

My dear friend—

Since I wrote to you last on the 23rd ult. your favour of the 19th of January, the box of plants, and the bundle of paper, have all reached me safely; and I thank you most kindly for them all, 'con-
fessing at the same time that it is a most unreasonable, I should trespass in this way on your most precious time.

Fendler's Plants are, as might have been expected of one of his pain-taking and industrious habits, nice and well preserved; and I have only to regret that he did not use larger paper in preparing his specimens,-- and that he has not given the names! W. C. Couthouy's plants also are most acceptable, and embrace many things which I never saw before. The *Calceitum* was especially interesting. What an admirable instance of the wisdom and goodness of Providence, to protect the plant from cold!

Can you inform me whether Mr. (Dr?) Jameson is still at Lima, and still Prof. of Botany in the University there?—I have a large quantity of our western plants on hand, some of which I should like to send him, if you think they would be acceptable. What would be the safest mode to send them?

The two copies of your beautiful little book have been handed over to my two oldest grandsons, as you desired, which they have received very gladly, and I hope ⁱⁿ due time will be studied profitably. What advantages have the present generations over their predecessors in the way of elementary books!

I am sorry to perceive that your Boston Mechanics are not more reliable than our own. The excellent paper, which you were so good as to select for me, was well nigh being spoiled by having been cut nearly an inch smaller than the directions given. I find it so difficult to get any little job of this kind done, as I want it done, that I am compelled to do almost everything of the kind myself.

I shall look very anxiously for Dr. Torrey's forthcoming Report of the Botany of the Mex. Bound. Survey. I suppose it will form a part of Emory's 2^d vol. and if so I will endeavour to obtain it as soon as published, thro. some of our functionaries at Washington; having no claims whatsoever on Dr. Torrey for any courtesy of the kind. I am already largely in his debt for many acts of kindness which I have had no means of liquidating. Is Mr. ~~Hooker~~ Thacher with him in the Asag office as an assistant, or a co-labourer in Mexican Botany? Mr. T. has promised me a share in his collections on that topic, but I suppose his more important engagements prevent his fulfilling it.

Do you hear anything lately in regard to the health of the excellent Sir Wm. Hooker, who, since the death of Brown, must be considered the nestor of ~~American~~ ^{European} Botanists?—

I fear "my new specie" (as poor Rafinesque used to say) of *Helianthus* will turn out to be nothing more than a gigantic var.

Mayfield Ky. March 7th 1859.

My Dear Friend,

Your favour of the 2nd inst. is just rec^d. in which you kindly offer to have some paper order'd for me, in connexion with that for Dr. Engelmann. I thank you very kindly for the offer, but will not trouble you again for genu covers—that which you have lately sent being so exactly the quality I wanted, and the quantity will probably be quant. sufficient, for the balance of my life; and although the candle trimmer has cut it somewhat smaller than my pattern, yet as my old friend Montebello says "we will make shift with it."

As to white Herbarium paper, I am out; and would like very much to have a few sheets 6 or 8 of the same quality with that last sent, of which I enclose you a slip—But I almost fear to put it under the turning knife of your Boston binders, who are, it seems, as indifferent to orders as our own. If therefore the size should somewhat exceed my pattern (on the next page) send it as it is, and I will trim it myself, as

Dr. A. Gray
Cambridge.

I need it.

Your obliging communication
of the Dist. was rec^d a few days ago,
and shall be more fully replied to soon.

In the meanwhile, and ever,

I am very truly yours

C. C. Short

~~18 x 23~~

18 x 22 1/2

Size of C. C. Short's Herbarium Paper

18 by 11 1/4 inches, folded →

6 or 8 Reams of this size

dear the approach of summer, or rather
autumn, as ^{we} would that of Pestilence or Famine.
I trust, however, that in your more healthy
region, the return of warm weather will be be-
neficial to Mr. Gray's health.

Who is "Shaw", for whose "Missouri
Herbarium" the paper is order'd by Engelman?
-- Some young Botanist, I trust, who is coming
on to fill up the thinning ranks of the older--
you have seen, of course, Dr. Darlington's ene-
rgetic Memorial of his friend Townsend.

very truly and gratefully

I am yours,

C. C. Short.

D. Asa Gray.

Hayfield, Ky. March 10th 1859.

My dear Sir--

I wrote to you a day or two ago
in reply to your Communication of the 2nd inst.
in relation to Merbarium paper, and your kind
offer to have a parcel order'd for me. I now
take up my pen to reply to, and acknowledge
more fully, your previous favour of the 21st
Feb.

I am truly well pleased to hear that
Dr. Wright is treated so kindly and hospitably in
Cuba. It is certainly more than I should ex-
pect in his situation; nor, indeed, do I think
that any of the N. American people have any
right to look for ordinary civility from a peo-
ple whom we have treated so shamefully,
and whose country we are only waiting for a
good opportunity to steal from them. If Wright
is not mistaken for a filibuster and shot, I
hope he will be able to secure a good harvest
of Cuban plants-- without stealing them!

I shall be greatly delighted to see yr
illustrations of Japan Botany, but I fear that
the unbecoming and indecorous manner in which

Congress has been dissolved without making the necessary appropriations to these objects, will delay all publications emanating from Government. I have just received from our Congressman the ninth (!) volume ^{of} Reports of Explorations & Surveys for a Pacific Rail R^d which is devoted exclusively to the Ornithology of the region traversed. Does Dr. Toney's Report of the Botany of that part of the road, belong to this series of Rail R. Surveys, or to Emory's Boundary Survey?— I am very anxious to see that, but do not know how to enquire for, or when to expect its publication— Can you tell me?—

Your leaf from Silliman's Journal afforded me much interest, and I concur entirely with you in your suggestions as to some one grand Collection, or Museum, for the Nat. Objects of our Country. You certainly have, at present, the advantage of all other points at Cambridge; nor do I think that the Smithsonian Institution is likely soon to offer a better situs for such a collection, troubled as it ever will be by political and sectional bias.— I do not take Silliman's Journal, mainly because its con-

contents are in a great degree of a sort in which I take but little interest. Of course, I shall not live to see the day in which a Magazine devoted exclusively to Natural History, much less Botany alone, can be sustained in this country.

As you must have exhausted the little stock of money in your hands for my purposes, I forward on to you a check, on New York, just received from one of my Iowa correspondents, for \$50; which, when paid, you will please place to my credit. This will, I hope, be enough to pay my quota of Fendler's collection sent to Grisebach, and the Herbarium paper just ordered— If not, please let me know at once.

Spring has set in with unrelenting earliness with us, and already the open borders of my garden show the blossoms of the Crocus, Hyacinth, Galanthus, Forsythia, Iris, Anemone &c. &c.— while in the forest Poplars and elms are in full bloom, and the little *Eugenia* beneath them. I must begin soon to look for the Rocks promised to your garden, so as to have them ready by the time spring opens upon your left favoured, or rather more highly favoured, region; for we

Near Louisville, Ky.
April 20th 1859.

My dear friend,

I have been prevented by a painful affection of my hip and back, which has confined me to the house for a month past, and to the bed for a good part of that time, from acknowledging your kind favour of the 25th of March which reached me some time ago. I thank you for the various items of information communicated therein, and especially for the list of Cuban Plants determined by Grisebach and yourself. This reminds me of our friend Wright, who I hope, will not suffer from the late renewal of jillicbustering demonstrations against that country, though I should not care how soon, or how many, actually caught in such marauding expeditions, were gaoled on the spot.

The 14th vol. of Decandoll's Prodrromus has lately reached me through the mail, for which I am indebted to your kindness. The

Prof. Gray,
Cambridge.

bill for it, I presume has been sent to
yourself, -

I am sorry you have had so
much trouble about the paper. Try to
not give yourself any further concern a-
bout it. Something of the right kind may
turn up before I need it.

I have been much troubled that
my confinement has prevented me from col-
lecting the Roots of Western Plants which I
had intended sending to your Cambridge Ger-
man this Spring. Having no person about
me to whom I could delegate this task,
nothing has yet been done, and Spring is
rapidly advancing. I am still in hopes to
be able to do something in this way before
it is entirely too late. At all events, if
I am unable to do anything more I will
endeavour to send you a few things from
my Garden which may be acceptable.

I thank you very kindly for your
offer of a set of Mexican Plants - They will
be well received whenever it suits your
convenience to send them.

Very cordially I am yours C. W. Short,

Andover, Mass. May 30th 59

My Dear Friend.

I have just received from Dr. Engelmann the enclosed list of names, which according to request I return to you. I am sorry to find some confusion in the names, as belonging to Hollen's and Fendler's collections, and hope I have made no mistake in referring them. Do you hear anything lately from Wright? I hope he will not expose himself to the infection of yellow fever, which will soon appear in Cuba, and is even more to be dreaded than the Spanish garoto.

The box of paper reached me safely some weeks ago, and will no doubt last me to the end of my labours. I will profess of, and my other 'Herbarium fixings' when I am done with them, I do not know; for in truth, and entre nous, I do not much like the Cavalier manner in which Prof. Henny accepts, or rather agrees to take them for the Smithsonian Institution.

Your favour of the 4th. May - the last received from you - with the accompanying names of Wright's Plants, reached me some time ago, and I thank you kindly for both.

I am happy to add that my health is much improved since I wrote to you last, though perhaps I ought to be ashamed to confess that I ascribe the improvement mainly to the use of a Boston Quack's medicine - the "Peruvian Syrup" - a supposed solution of the Protoxide of Iron! - It has certainly been more beneficial to me than any Chalybeate I ever used.

I trust sincerely that the improvement in Mr. Gray's health will prove permanent, and that many - very many anniversaries of your marriage are reserved for both of you -

Very truly, my dear Sir, I am yours,

C. W. Shorth.

P.S. The cost of the Paper together with other outlays you have made for me, must have exhausted the little deposit I had in your hands - Please to let me know. -

I had the pleasure of meeting in Louisville at the late Medical Convention here, Dr. Townsend, of Boston, who was my contemporary in Philadelphia forty five years ago, and whom I have not seen since that time!

Huffield, near Louisville, Ky. }
July, 7th 1858. }

My Dear Friend—

Your obliging and very welcome letter of the 8th of June has been some time before me, and should not have been so long unanswered—the more especially as there was a money matter concerned in the case, in which sort of matters I endeavour at least to be punctual. Inclosed, therefore, you will find a draft from an Illinois concern on a Bank of New York for sixty seven dollars—\$67.—which you will please to appropriate towards liquidating the balance I owe you on account. I would thank you to have this draft presented at once, for between ourselves, I have not much faith in anything pertaining to Illinois, more especially in its one-house free banking affairs.

The Mexican Plants came safely to hand soon after your letter, and although somewhat better than Berlandiers, yet they are not exactly up to those of Mr. Oakes or Mr. Sapham—Still they are better than nothing, and the "Poor Dutchman" should

D.^r Asa Gray
Cambridge,
(Mass.)

he encouraged— if he will promise to do better.
It is obvious from the appearance of his specimens, that he has not changed his paper of-
ten enough.

I am delighted with your very interesting paper on the Botany of Japan, and am quite astonished at its agreement in so many points with our own. The *Revinisia* is also quite a treat, for new genera do not turn up every day among us, as they did in the time of Poor Rafinesque: but I am quite ashamed to say that I never heard before of the Rev. Mr. Revis. Is he a foreigner?

I thank you kindly for your good wishes in reference to my continued botanical labours, but I am quite certain that the last lot of Rev. Samson paper you have sent me will serve me to the end of my labours— if indeed I should ever use the whole of it. A man of my age, with indifferent health, and oppressed with the cares, anxieties and sollicitudes of a large family, can hardly be expected to pursue with the zest of youth, those objects which were labours of love "when life was in its spring": and more especially when he does not know what to do with his collections when he leaves them.

Of the several dispositions which you ~~ought~~ got to be made of my collection, I would not hesitate a moment to hand it over to you, if it were not that everything contained in my Herbarium is already in your own, and consequently yours would be the gainer in nothing but bulk.

As to the St. Louis destination, I am inclined to apprehend that a few more low scrapes, to the tune of 100,000 \$ damages, will considerably damp the ardour of Mr. Shaw in his Missouri-Kew concern!

I have lost within a few years, far more than I had once intended to bequeath to the purpose of botanical collections; but if I live long enough to repair the loss, by these unfortunate investments, I may do something yet, in that way.

I am truly sorry to hear of Mr. Sprague's bad health. Is he in need of assistance? and can you in any way turn over to his use the little balance left in your hands, after squaring our account?

Very gratefully and truly, my dear

Sir, I am yours

C. C. Shorth.

I am truly well pleased to hear that
Dr. Chapman is engaged in earnest on a
"Flora Floridana". - If he sends, as well
as he procures specimens his work will
be a beautiful addition to our Libraries.
If he is still with you please to present to
him my best regards.

Yours truly
C. C. C.

Prof. T. G. S. S.

Wm. C. C.

Wm. C. C.

Wayfield, near Louisville, Ky.
October 18th 1859.

My dear friend

I am greatly your debtor
for several recent favours from you which
I have neglected to acknowledge serially - They
are your letter of the 20th July - your list con-
tained of boughts Cuban plants - your notices
(from Silliman's Journal) of recent botanical
publications of N. Y. for each and all of which
you will please to accept my sincere thanks.

I have written to a friend in Washing-
ton to procure for me (at any price) the 2^d
volume of Emory's Boundary Survey, for the
purpose of seeing Dr. Torrey's long promised
report on the Botany of that region, as well
as Dr. Engelman's Exelaceæ. It is truly much
to be desired that some synopsis should be
published of all the botanical matters gleaned
in these various explorations, which are now
scattered through so many voluminous Reports
as to be almost inaccessible and useless; and I
am well pleased to hear that Mr. Thunberg

is now engaged in such a labour. It is to be hoped that he will act on your suggestion as to the numbers of Boissier's, Wright, Fendler and other collections.

Oct^r. 19th. 59

Since the preceding was written I have rec^d. the ponderous Quarts from Washington, and am delighted with the execution of it, at a first blush—especially with the plates of *Centropus plantanum*, and more particularly with the execution of those of the *Coeloced*, which are almost as life-like as stereoscopic impressions. I am sorry, however, to learn that so many errors have been permitted, to creep in for surely it was most impolitic and improper, in every way, to have had the sheets printed off, without a most careful revision by the authors of the General Reports. Since it has been printed so negligently, I fear there will be many errors found in the numbers given of the various collections, and hence the usefulness of the publication to those who have the number's sets, will be greatly lessened. We shall soon see how this is, for I shall go to work on them immediately.

Is it true that Mr. Nuttall is dead? I have seen a rumor to such effect in the newspapers. I knew him in some of his early exploring tours through this country—as early as 1817, and have had occasional correspondence with him ever since. Have you not done him injustice in some of your notices regarding him, in comparing him to Rafinesque? The latter I always regarded as an unprincipled charlatan, whilst in Mr. Nuttall I never saw anything but straight, genuine truth and honesty. I hope that we shall be favoured with a full and just biographical memoir of him.

Do you hear anything lately from Mr. Wright?—He will have done more for Cuban botany in these two short visits of his, than would have been done by the skilled Don in as many centuries. Do you know what became of the promised Flora of the Island by Ramon de la Sagra?

When will you get through with Wicks' exploring expedition? I long to see you part of it. With kindest wishes for Mr. Gray's health, I am very truly yours

C. C. Smith

cause of Botany when I am gone —
It will, however, like all other human
labours, only serve to confirm the say-
ing of the Wise man — "Vanity of vani-
ties! All is Vanity."

I am truly well pleased to hear
that Mr. Wright is so pleasantly situ-
ated in his prosecution of plant-gathering in
Cuba. His labours must go far toward
the collection of materials for a West-
Indian Flora. How shameful to the
Spanish Nation, that the vegetable pro-
ducts of that rich Island should have
been so long unexplored! The laziness, apa-
thy and deterioration of that race would
almost justify a more enterprising peo-
ple in taking the Island from them.

I trust that Mr. Gray's health has
not suffered this winter, which has been a
very severe one with us. Please to present
to her my best regards; and believe me, with
sincerely, yours very faithfully.

Prof. Gray.

W. C. Short,

Mayfield, Ky. near Louisville.
Dec. 28th 1859

My Dear Friend —

Having some preten-
sions to being a conscientious man, I have
some misgivings about writing to you
and trespassing on your valuable time
by my worthless letters, for it is very
certain that I have nothing to commu-
nicate which can be of any interest to
you. But nevertheless I cannot longer
allow your kind favour of the 11th inst.
to remain unanswered; nor to acknow-
ledge the receipt of a sheet of names of
Fendler's orchidaceæ, which reached me,
in your well-known hand, a few days a-
go. I am also indebted to you for a few
leaves of Scientific Journals containing
your notes on Southern Rubiaceæ, and var-
ious items of interesting botanical matters;
for each and all of which you will
please to accept my very hearty thanks.

Since the discontinuance of Hooker's London Journal, it is from you, and yourself, almost exclusively, that I get my botanical news, or am kept at all posted up in matters of that nature which are going on in the world.

The mention of your excellent and venerable friend reminds me that I once intimated to you that I intended to make some demonstration, in my will, of my many obligations to you, by devising to you some portion of my botanical library— as Humboldt & Bonpland's *Plantes équinoxiales* & Curtis's Botanical Magazine. But why wait until my death to do this? Seeing that these books are of little use to me, and might be serviceable to yourself for almost daily reference. If you will, therefore, please to indicate by what route or conveyance you would prefer their being sent, I will forward them at once. Adams's Express would, I suppose, be the surest and easiest mode of transportation, but as

books are heavy articles, and as these will fill a box of considerable size, their carriage by that mode would cost something; I would therefore ^{prefer} you would select the mode of conveyance.

In putting my 'house in order', the matter of my Herbarium, (small concern as it is in so momentous a consideration) remains still indisposed of, and I know not what disposition I shall make of it. It seems apparent to me that Prof. Henry does not think it will be work room in the Smithsonian Institution; and it would be valuable to my family, none of whom have any predilection or pursuits of the kind. There are none of our Western or Southern Institutions which would be likely to prize or take proper care of the collection; and in short I know not what to do with it. Its formation has cost me a great deal of time and trouble, and no little money, and I should be gratified that it might, in some degree, subserve the the

Hayfield, Ky. Jan. 18th 1860.

My dear friend,

The same day on which I wrote to you last, I received from you several pages of names of Fendler's Plants of Venezuela, which, as you desired, I forwarded to Dr. Engdmann, at St. Louis, as soon as I had copied them. And a few days after that, your favour of the 2^d inst. enclosing several letters from Mr. Wright to yourself, came to hand. I have read these letters with much interest and pleasure, for which I am under many obligations to you. Shall I not return them to you?

My family has been sorely afflicted this winter by the prevalence of Scarlet fever among them; eleven cases having occurred among us, of which some were bad cases, but none as yet fatal, although we are not through with it. As soon as I am relieved of this anxiety, I will attend to packing and forwarding the books, according to your directions.

I have been sadly disappointed on opening the last box of paper received from Rice and Kendall, which I did not do until a few days ago; and I send you herewith a specimen half sheet of it, which you will readily admit is about half as heavy, or thick, as it should be!—But I cannot think of troubling you further on this score, than to let you see that your paper-makers are not more reliable than the rest of us—the genus-covers were spoiled by being cut too small; and now this batch of paper—enough to last me the balance of my life, is about half as thick as it should be! But be it so!—As my Herbarium—paper, plants and all, are not deemed worthy the acceptance of a public Institution, dedicated to such purposes, to what it

was gratuitously offer'd, it makes but little difference, I suppose, in what sort of paper it is put up. —

I see announced on the cover of the last N^o. of *Curtis Bot. Mag.* the publication of the next N^o. of "Grisebachs Flora of the West Indies". Can you conveniently obtain it for me?

Are Fendler's talents still buried under the bushel at St. Louis? — Could he not make a living more honorably and pleasantly by botanical collections, than by catering to the worst appetites of human nature in brewing beer and brandy? — Is not a thorough exploration of Florida, California and the less known parts of the Mexican states still desiderata? Even those who have received the miserable rotten fragments of Berlandier's collections would doubtless be anxious to get the same things again from Fendler's nice and pains-taking hands. — I will myself contribute \$500. a year towards a thorough exploration by him of these countries. — Is Wright in need of any money?

Inclosed I send you a piece of paper furnished to you by Rice, Kendall & Co. as a sample of what you had order'd for me, that you may see the difference between it and the half sheet on which I am writing.

Very truly and cordially yours

C. W. Shost

Prof. Asa Gray, M.D.

Harvard University,

Cambridge,

Massachusetts

Hayfield, near Louisville,
Ky. Jan. 25th 1860.

My Dear Friend —

On receiving the inclosed despatch from you last evening, I was strongly tempted not to attend to the request it contains, because I apprehended you were about to give yourself more trouble in regard to the paper, which has already cost us more more movement than it is worth. But then I thought it possible that Mess^{rs} R. & K. had questioned my veracity as to the character of the paper, and that you wished to show them a larger quantity, and better sample of its quality. Under these impressions, and because I do not wish to assume a false position before your friend, I have put up in the best way I could, the twenty four sheets as requested, and shall this morning place

the parcel in the hands of Adams's
Express agent, directed to yourself — I
do so, however, under this express re-
quirement, of you, viz. that you shall
not give yourself any further trou-
ble in the matter. If the sheets now
sent satisfy the gentlemen that I
have made no false statements in re-
gard to the quality of it, I am satisfied
to quit; with this one caveat — that
your Republican friend will please
to observe that errors and mistakes —
to call them nothing worse — may occur
north of Mason & Dickson's line, as
well as South of it.

With one more charge to
yourself, on this head I am done — You
must not fail to put down to my acc't.
the cost of the Telegraphic despatch and
the freight on this parcel —

Very truly & cordially yours

C. C. Short

Dr. Asa Gray.

London Friends; and it would be well
for you at once to make some arrange-
ment for receiving the future numbers as
they are issued. I trust in a few weeks,
at farthest, to forward my set, with
the Plants, Equinoctials, &c. &c.

I had the pleasure a few days
since of receiving a letter from our friend
Dr. Torrey - favours of a kind confer'd
by him upon me so few and far between
that they are highly prized. I learn
from him that Mr. Shubert is no longer
engaged in the New York assay office, and
consequently has more time to bestow upon
his Catalogue of Trans-Mississippi plants.
I must rely upon you for a copy of this,
as soon as it is published; for I have never
been able to obtain any of the publications
of the Smithsonian Inst. except a few of the
earlier volumes, which I found at Putnam's
some years ago; and the Plants Wrightianae
which you sent me.

Very truly, my dear Sir, I am yours
C. C. Short.

Weyfield, near Lounville.

Jan 29th 1860.

My good friend -

As I had apprehended,
and as I fear'd, my unfortunate letter to
you written on a half-sheet of the unfor-
tunate paper, has occasioned you uneasi-
ness, and set you to work to remedy the
evil; as I learn by your letter of the 23^d,
and as I had inferred from your Telegraphic
dispatch of the same date. Now will you
permit me to intreat you to give yourself
no further trouble about this matter,
but let it rest where it is. If Messrs. R & K,
after seeing the quine I sent you by express,
are satisfied that I have not complained
without cause, and that the paper does
not come up to your order, I am satisfied.
Or if they prefer making some reparation
for the failure; and will send me at once
by Express one bundle (2 reams) of paper

twice as thick as this; almost as thick as the common Bristol board, I would be much obliged to them, and cheerfully pay for the same. In arranging plants in my Herbarium I use whole sheets and half sheets - the latter requiring, as you know very well, to be thick and stiff enough to sustain themselves, when held by one corner. Now for this purpose the paper on hand is altogether too thin and light, although it may answer (for want of better) for the whole sheet. As I use much more paper in whole sheets than in halves, I am quite certain that the amt. on hand, with 2 reams of the thicker sort, will carry me to the end of my botanical labours.

Before I quit this subject, it is but justice to Messrs Rice & Turnbull to say that I have only opened one of their bundles, it being troublesome and inconvenient to have more than one braced at a time. It is therefore possible that I may find the others better than the first.

I have just received a letter from my Philadelphia Bookseller, Messrs. Parry & McMillan, Successors to Carey & Hart, saying that as they are about to close their business it will not be in their power any longer to supply me with Curtis Bot. Mag. which I have received regularly through their agency, and that of their predecessors, for thirty odd years, without the failure of one single number in all that length of time! - a striking commentary on the safety and reliability of Oceanic communications. My receipt of this work commenced with Sir William Hooker's management of it in 1827, and has continued down to the end of 1859. I have made repeated efforts to procure all the preceding volumes, but have only partially succeeded. Some years ago Carey & Hart procured for me the earlier volumes, from Vol 1. to Vol 32, inclusive; but the gap from 32 to 54 remains still unfilled. I hope you will be able to supply the deficiency through your London

Near Louisville, Ky.

Feb. 16th 1860

My dear Friends.

Since writing to you
last, your two favours of the 2.^d inst.
have reached me; and yesterday the
specimen sheet of thick paper came
to hand, under your address. This
is precisely the thing I want; and it
is cut too exactly to the right size!
If the quantity which I first order'd
has not been already sent, please to
direct 4 reams (2 bundles) to be forwarded
at once by Express.

As it always is more agreea-
ble to me to commend than find fault,
I must do myself the pleasure of
the justice to say, that as I go deeper
into the bundle of their last paper, I
find it better - is thicker and heavier than
the outside gives. Is this customary
with paper-makers to put an inferior

D.^r Asa Gray
Cambridge

article on the out side, and a letter inside? — If so I regret that I had not in the first place clipped at once "in medias res". If the quality, which I find in the middle of this first bundle will only hold out, I shall do very well with it, and the thick half sheets.

D^r Engelmann requests me to return to you the enclosed sheet of Fendler's grapes, the names of some of which I should never have made out, but by the aid of Endlicher! — Pray whose stirography is it? — It reminds me of an old friend, who on receiving a note from another, exclaimed "By George, Mr. Morlon writes a beautiful hand, if one could only read it!"

D^r E. has done me the great kindness to send me his paper on Mexican Cactaceæ, with typographical corrections. I wish the Washington authorities would allow D^r Loney the same opportunity

for correcting the many errors which they have saddled upon him.

Please to let me know whether you have money enough to pay for this last paper. Has D^r Chapman's books been published yet? if so I will thank you to send me a copy.

Do you know anything of W^r or D^r Bebb of Illinois?

Very truly and cordially, yours

C. C. Shosh.

D^r A. Gray.

Cambridge

Hempstead, near Lonsville, Ky
April 2^d. 1860.

My Dear Sir—

Having been detained at my
Daughter's, near Frankfort, somewhat longer
than I had expected, when I wrote to you from
that place, it has only been within the last
few days that I have packed up the six vo-
lumes of Curtis's Magazine, (27-32 inclusive)
and shall tomorrow forward them to you
by express. I regret very much that I had
not informed you of their exclusion from
the box, when I sent it, as it would have
enabled you to give a correct account of
the desiderata, in your order to the London
publishers. As it is I hope you have been
enabled to countermand your first order, before
it has been filled. Several ^{late} volumes of
the Magazine were sent to you in numbers;
because our binders here are such botchers at
their work (as you will see too plainly,) that
I preferred your having it done by your bet-
ter workmen.—

Prof^r Gray
Cambridge

With the books now sent I have

returned you several letters, which you kindly sent me, from Whigst and others, for the perusal of which I thank you.

The first time I go to Town I will send you a draft on New York or Boston, to liquidate the balance against me in our account current.

I think that I have not acknowledged your two favours of the 22^d. and 31st. ult. which reached this during my absence. Among the items of intelligence which they contain, I am pained to hear of the afflicting malady of Lady Hooker. 'The good Sir William' has now attained that honour'd age which brings, with the reward of a well-spent and useful life, the sorrows and pains which are inseparable from advancing age; and among these none are so poignant as the removal by death of those long endeared to us by the tenderest ties.

I trust fervently that the health of Mr. Gray will improve with the return of warm weather; and am, my dear Sir, with every other good wish for your health and happiness, very truly yours

C. C. Shook

Louisville, Ky.
April 17th 1860.

My Dear Sir—

Having been a good deal
absent from home for the last six weeks,
I have neglected various duties and matters
of business, which should have been attended
to; and among the rest I have allowed
the little balance against me, in our accounts
current, to remain too long unadjusted.

For this purpose you will now find
enclosed in this a Bank of Kentucky
draft on New York for fifty dollars, which
you will please place to my credit—

As soon as you can inform me
what I shall owe Mr. Wright for his forth-
coming Plants of Cuba, I will immediately
remitt the amt^o to you—

Did you receive a little parcel of
Books through Adams' Express some weeks
ago?— Six volumes of Curtis's Magazine which
I could not get into the Box.

Very truly yours
C. C. Short.

D^r Asa Gray,
Cambridge,
Mass.

Please let me hear of the receipt of
this—

Hayfield, near Louisville, Ky.
June 28th 1860.

My dear Sir—

I think I have not acknowledged your favour of the 27th April, 2^d May, and 13th of June!— If not, please to pardon my remissness, which you would do, I know, if you were sensible of the growing infirmities of age—the languor incident to indifferent health—the listlessness growing out of our oppressively hot weather, and the thousand et ceteras which might be pleaded in my defense.

D^r Gray
Cambridge.

Your desiderata for Mr. Thompson has been noted, and will be attended to, as opportunities for obtaining them may occur. At present I can only send the seeds of Collinsia verna which have just ripened in my garden, and are consequently fresh. Ladanthus herb. will, no doubt, occur some in the course of the season. Coleopsis aristata is not known to me, but I will write to Mr. Bebb, Salem, Illinois, for it. Silene

rotundifolia, I have never met with, least
in one locality where probably I may never
be again, so that I can make no promi-
se, about that.

I trust that before this time
Mrs Gray and her good Father may have
returned home in improved health. No
benefit, of course, could be derived from
a longer stay among the heats and miasms
of our Southern States.

Wright's Plants will, no doubt, reach
me before I am prepared to distribute them.
Does he still continue in Cuba? If so
he has been truly fortunate to have escaped
Yellow Fever and the Gaviotte so long!

The copy of Chapman's Flora, which
you were so good as to forward me, has
arrived safely, and I have written my
acknowledgments for the favour to Dr. C.

Has any further part of D.C.'s pro-
dromus been published, since Vol. 14th?

Very truly, my dear Sir, I am yours,
C. C. Short.

P. S. I have neglected to say that the last
list of names of Fendler's Venezuelan Plants,
came safely to hand, and was forwarded to
Dr. Engelmann, as soon as I had decyphered
it.

Near Louisville, Ky.
Sept. 6th 1860.

My Dear Sir—

Your obliging favour of the 31st. ult. reached me last evening, and I lose no time in replying to it.

Having no pretensions whatever to "Scholarship", the learned lucubrations of your "friend and colleague Sophocles" would be lost upon me. Pray reserve them therefore for those who would better appreciate "the Lexicons of Medical Greek", and "the learned notes on the plants of the Greeks", and spare yourself the trouble and me the expense of procuring the 7th vol. of the Memoirs of the American Academy. As I have none of the previous volumes, the omission of this will be the less. Suffice it for a plain and unpretending man to know a little of the plants of his own country, and how to express himself intelligibly in his mother tongue.

I am glad to hear that you have at last procured for me Grisebach's Flora of the British West Indies, as far as published. I hope it is

Doctor Asa Gray
Cambridge.

written in nothing worse than botanical Latin. If it too should be 'gotten up' in Medieval Greek, or Modern Dutch, please to hand it over also to some of your Harvard 'Scholars', for it will be past my comprehension.

I shall be well pleased to get the parcel of Mr. Wright's Cuban Ferns. He is, I believe, a plain man, and is not likely to have collected anything which would require a Greek or German 'Scholar' to understand and appreciate.

According to the wish which I at first expressed to you, I desire that you will charge me with the expenses on the freight of the box of Books to Cambridge; as I intended that this poor requital for all your favours to me, should reach your hands free of all expense to you. Do I understand that you have paid out for me \$23. over and above all funds of mine in your hands?—Pray let me know immediately, that all may be set right in this particular.

Can you tell me how Mr. Thunberg proceeds in his Enumeration of the plants of the

several Western Explorations?—I look for his Catalogue with much anxiety, to enable me to name a large collection in my hands, from various Sources. Having no claims on himself, (except a large parcel of Plants sent him several years ago,) and none on the Smithsonian Institute, (except the offer of my entire Herbarium,) I must depend on your kindness for a copy when it is published. I have never even seen Mr. Thunberg's edition of Darlington's Agricultural Botany, of which I will thank you to enclose a copy, (if one is to be had conveniently) in your forth-coming parcel.

I have just collected for your English friend a quantity of the seeds of the *Sodanthus*, which I will send you as soon as they are dry.

With Compliments to Mr. Gray, and the best wishes for the restoration of her health—

I am, my dear Sir,

Very cordially yours

C. C. Shoot.

Prof. Gray.

Hayfield, Ky. Sep. 7th 1860

My dear Sir—

According to an intimation made to you in my letter of yesterday, I now send you a packet of the seeds of the Jodanthes. Being obliged to cut the stalks before the pods were opened, it is quite probable that some of the seeds may be immature; but out of the number sent, enough, I hope, are fully mature to answer the fullest desires of your friend; and as English Gardeners are the most successful and experienced of any others, I doubt not that this pretty vernal plant will be soon established in that country.

I think I told you before, that it was not probable I should ever again visit the only locality in which I had ever found the Silene rotundifolia: and that the Corespis aristosa was unknown to me. A reverence to the memory of Small, and a wish to oblige you, may properly be my apology for making a pilgrimage, next spring, to the Cliffs of Kentucky River, where the former is found. If so you shall know the result.

Please to direct your forth-coming parcel
to "W. Allen Richardson, Louisville, Ky.
for C. W. Short."

Oblige yours very truly,

C. W. Short.

George A. Gray, Jr. &
Company

Prof. Asa Gray
Cambridge
Mass.

And Dec. 27 Hayfield, near Louisville, Ky.
Dec. 17th 1860.

My Dear Sir—

After waiting until my poor stock of patience was nearly exhausted, I am at length favoured with your letter of the 30th of Nov.^r and although exchange is considerably against us, I cannot consent that you should remain any longer out of pocket on my account. I therefore inclose herein a bank draft on for \$112.00, adding to the amt. of your account for balance against me (\$104.88) \$7.12 for "poor Erwanberg?"—provided that you will really give me the names of his two collections of Mexican plants "very soon".—I have already on my hands five large boxes of nameless plants, from Wright, Lindheimer, Fendler, Bulander, Engelm. and others, which I have neither the means nor the ability to arrange properly in my Herbarium; and therefore have no particular desire to add to this useless lumber. I had hoped that "poor" "Phenber" would have helped me to clean out this Augean stable, by his forthcoming Catalogue; but if he is floundering on the promises of the Michigan Legislature—the Legislature of a free-soil—Republican people, God help him!

I cannot think of troubling you further at this time with more communications, and will therefore thank you to forward the "considerably-sized-box" at once, by Adams Express, directed to "W. A. Richardson, Louisville, Ky. for C. W. P."

You ask me "what is to become of our Country?" To this, as a Christian, I answer God only knows, and He alone is able to extricate us from the dilemma into which the mad counsels of the South, and the madder actions of the North have thrown us. But "speaking after the manner of men", I should say, that if we had a standing Army sufficient to carry out the plan, I would first thrash the Northern people into a proper regard for, and due observance of the rights of the South; and if the South was not satisfied with this, I should then be in favour of thrashing them into subjection. But since it appears that 'Moral Suasion' is to be the only argument employed, — an argument to which both parties are equally deaf; and if the North will still continue her aggressions on the South, I cannot blame the latter for resisting them. What is to be the issue I cannot see, but anticipate the worst.

Dec^r 18th

Since writing the foregoing, I have received D^r Booth's nice note, with your addendum. I am truly and greatly obliged to D^r B. for his kind remembrance of me, as well as somewhat surprised at his munificent present of these two volumes, for I have no claims whatever on him; having once only sent him an indifferent parcel of Kentucky Plants. I wish from the bottom of my heart that I had a big bundle of undescribed Carices for him!

Should you be writing to him shortly, please to express my grateful thanks, as I shall do myself when I have seen his Books —

Very truly my dear Sir

I am yours

C. W. Short

D^r Asa Gray.

Cambridge.

and Aug. 19

near Frankfort, Ky.
January 3rd 1861.

My dear Sir—

A few days before leaving home I had the pleasure of receiving your favour of 'Christmas eve', and feel particularly obliged to you that you should have appropriated an hour of that "holy time" to me.

You northern people are, I believe, more festive and enjoyous on occasions of this kind than the sober and mercurial inhabitants of the West and South, whose engagements, limited on all occasions, are at this particular time more than ordinarily obscured and clouded by the 'impending crisis' before us.

The box, which you inform me of in your favour just refer'd to, reached Louisville on the same day with your letter; but was not brought out to Hayfield until the day before I left it, so that I have had no opportunity of examining the several parcels which it contained. Indeed I only open'd the box and took out the bundles, without untying them. I was sorry to find but one number (Part 3.) of Grisebach's Flora! If you have

omit—

D^r Asa Gray,
Cambridge,
Mass.

omitted to include the 2 other parts, or if you have not yet received them, I must beg the favour of you to forward them by mail as soon as practicable — they may prove of assist me in naming some of Fendler's Venezuelan, or Wright's Cuban Plants. Pray have the n^{os} attached to the present parcel of Wright's Plants anything to do with the n^{os} of the preceding sets?

I shall truly be well pleased to see you at 'my poor home' before I die; and trust sincerely you may be able to make out your promised visit to us next July. But you must indeed be far more 'hopeful' than myself if you really think that you will be able comfortably or safely to do so by that time. A friend of mine, perhaps more despondent than myself, certainly much less 'hopeful' than you seem to be, thinks that in less than six months 500,000 men will be in arms 'on the border'. God grant that he may prove a false prophet!! — One thing only I can promise you — a most hearty welcome to my home, — and another — that I will not tax your time, your pa-

tience or your goodness, to overhaul my formidable pile of "Plantae innumerate".

Inclosed I must trouble you with a line to your friend Dr. Booth, in acknowledgment of his very beautiful and acceptable present — the 2^d part of his *Carices* illustrated. Do you know whether this finishes the work? — As I know nothing now about inter-national postage, I must beg the favour of you to attend to this for me, and charge (as the merchants say) to the acct. of

yours, very truly and gratefully

C. W. Short.

P. S. I was summoned to this place by the illness of a married daughter (M^{rs} Butler,) who lives here. How happy are you and M^{rs} Gray in the circumstance of having no children! The six whom I have, with their seventeen (!) little ones, keep me in a state of ceaseless anxiety, solicitude and wretchedness.

Dr. Eliza Gray.

stated "one of the chief depots of the under-ground Rail Road"! Do you think a motion made, at the next meeting of the Amer. Scientific Association, to deprive him of the honor conferred upon him by naming the *Jarneria*, would be sustained? — If so I should be almost tempted to try it.

In my walk over the cliffs of Elkhorn creek, a tributary of the Kentucky River, I found near Frankfort, a Red Cedar tree, (*Juniperus Virg.*) which measured twelve feet around, 8 feet from the ground; and consequently was four feet in diameter! I hope, therefore, you will give this product of Kentucky a more "honorable mention" in the next Edition of your 'Manual' than that of being a "branching shrub, or small tree". In situations such as I have mentioned, — calcareous cliffs where the soil is mixed with a large portion of the debris of lime-stone, it attains its greatest perfection.

On the same farm belonging to my son-in-law, Dr. Butler, there are several Gigantic "Bur-oaks", *Quercus macrocarpa*, one of which measures 20 feet in circumference, three feet from the ground.

If, therefore, magnitude of timber trees constitutes any element of Independence, you must admit that we can do without the "Shrubs and small trees" growing "down East". Truly yours C. C. Short.

Haywood near Louisville, Ky.
Dec. 18th 1861.

My dear Doctor,

Since I wrote to you last, from the neighbourhood of Frankfort, I have had the pleasure of receiving your two favours of the 19th and 29th of January. I am truly sorry to learn by the latter of the serious and painful accident you had sustained in the top of your thumb! — How could this have happened? — You are, I trust, not so awkward in the use of cutting tools as myself, for I scarcely ever take up anything of the kind without suffering by it. I regret exceedingly that under these circumstances you should have subjected yourself to the pain and inconvenience of copying for me your determination of Engelmberg's plants. I could have waited without inconvenience for your printed list. This reminded me that I should also acknowledge the receipt of Grisebach's "Plantae Wrightianae" and Eaton's Enumeration of Fendler's Venezuelan Ferns, both of which I owe to your kindness. — By their aid I hope to make out a good many of my *Plantae innotatae*, and thus lighten the load of useless lumber in my Herbarium. The two missing Nos. of Grisebach's Floras have also come to hand, so that we are again *ceteris in curia*.

I wish from the bottom of my heart and with my whole heart, that the political troubles of our country were as near to a final and satisfactory adjustment; but I begin already to despair of this. From the 'Peace conference' at Washington no good seems likely to arise; and, indeed, so long as Northern men persist in refusing such compromises as the remaining slaveholding states seem to think and demand as due them, I do not see how matters are ever to be adjusted; and I do suppose the ultimate issue will be a separation entirely of the free from the Slave States. Indeed, there appear so many points of dissimilitude and repulsion between them—their interests are so opposite and adverse—their customs, manners, thoughts and actions so different, and all these differences so constantly increasing, that it is perhaps best for both sections that there should be a division. — That this may be amicably and satisfactorily adjusted, seems now indeed to be all that is left to hope for.

— But to quit this subject for others more congenial to my taste. — I am truly glad to hear from you that Dr. Boott is engaged on another volume of his Carices, and I hope he will not be done with it, until he leaves nothing more to be done in it by any one else. How delightful

it would be to have all the Difficult genera and families illustrated, and cleared up in the same masterly manner! — What has become of Mr. Carey? — He has, I believe, repudiated Botany altogether. Do you know anything of the fate of Dr. Leavenworth, once of the Army, from whom we used to get some of the plants of Florida — most miserably represented in his specimens. By the way I have few or none of the Plants of Southern Florida; and but for the troubles in that quarter I had intended proposing to Mr. Fendler spending the winter and spring there on a collecting tour. Of course that is now out of the question, for I should expect daily to hear of his apprehension and perhaps bagging as a spy, or negro insurrectionist. — From Dr. Chapman I received some years ago, very interesting collections made by him about Tallahassee, but he never was as far South as Tampa Bay, between which and Key West there must be much to be found of novelty and interest.

I learnt the other day that Dr. Edwin C. Jarnes, the Botanist of Long's Expedition to the Rocky Mountains many years ago, is living near Burlington, Iowa; and I was pained to hear that he was the most rapid abolitionist of that very rabid region; his home being, as my informant

near Louisville, Kentucky,
May 26th 1861. }

My dear Sir—

I should have written to you long ago, in acknowledgement of your kind favour of the 8th of March, but in truth I have not had the heart to do so, or indeed to do anything else but gloomily and sadly to brood over the sad and hopeless condition of our country—I say hopeless, for notwithstanding your more sanguine and hopeful temperament I think you must by this time have come to the conclusion that all hopes of a peaceable settlement are out of the question. Indeed after the Herculean and almost super-human efforts of Mr. Crittenden and others, which were on all sides thwarted by the ultras of the North as well as the South, it is surely hoping against hope to look for any other issue but the sad and uncertain arbitrament of arms. Their clangor has already commenced, but when it will end, or with what issue, God only knows.

Spring has opened upon us this year with
more

Prof. Gray,
Cambridge,
Mass.

more than usual preciousness and luxuriance — in
sad contrast with the portentous gloom of our
political horizon; bringing very forcibly to my
recollection the beautiful lines of my favourite
author —

— To mute and to material things
New life revolving summer brings;
The genial call dead nations hear,
And in her glory reappears. —
The vernal sun new life bestows
E'en on the meekest flower that blows —
But Oh! my Country's wintry State —
What second Spring shall renovate? —

You have some reason to know, from past
incidents, that I am a great admirer of the writings
of Sir Walter Scott, poetical as well as prose; and
although you failed to obtain for me a copy of
Mr. Tichborne's portrait of him, I am none the less
obliged to you for the kind effort which you made.
Perhaps the Boston Gentleman, who happens to be the
lucky owner of this original painting, may have sup-
posed that an humble bookworm, who may
think differently from him on the subject of negro-
slavery, has no right to agree with him in admiration
of the character and writings of Sir Walter. Be it so,
if he so chooses. When the courtesies and amari-

amentas of civilized life are marred and inter-
rupted by sectional animosities and party pre-
judices, the sooner we return to the savage state —
the better. —

I thank you kindly for the several
pamphlets lately rec^d. from you through the P. Office.
One of your essays will enable me to affix the names
to Evans' Mexican plants, if I should ever again
have the heart to look into my Herbarium. — The others
I have looked over with some interest, and by them
I see that the Botanists of the old world are paping
away, as well as the glories of the new.

Will the disturbed condition of the Country
prevent you from making your contemplated
Western trip this season? — In happier times it
would have afforded me much pleasure to have had
an opportunity of extending the hospitalities of my
poor home to yourself and Mr. Gray; but now,
I cannot promise you that the Quasi Neutrality of
Kentucky would protect you, from the incivilities
of northern fanatics on one hand, or Southern fire-
eaters on the other.

Very truly & cordially I am, my dear Sir,

Yours
C. C. Short

Prof. Gray.

Hayfield, near Louisville, Ky.
July 16th 1861.

My dear Sir—

Immediately on the receipt of your favour of the 31st May, I gave orders to my Gardener to save the seeds of the collinsia verna from our Cultivated plants; but unfortunately the greater part of them had already been shed, so that he was able to secure only a small supply. These I now send you, and hope they may be sufficient for your English friend to make another trial, though I doubt his success. There is something peculiarly enigmatical about the germination of these seeds which puzzles my understanding. I never fail to have an abundant supply of plants in the Spring from self-sown seed, dropped in the preceding June, but never succeeded in raising the plant from seed which I had sown!

— What think you now of a "speedy termination" of our national troubles?— In my humble opinion we are as far from a settlement as when they began. Nor can I see, with the present temper on both sides, any prospect of the end. — of one thing, however, I am fully convinced, — that our experiment is a failure — a lamentable

table failure; and that man, at least the American people, are utterly unfit for self-government. So fully assured am I of this, that if I was thirty years younger, I would in less than thirty days be a subject of Queen Victoria. A limited monarchy, such as that of Great Britain, has abundantly proved itself due that Government best suited to the happiness of the subject; and if he is not satisfied with this, he should be placed under the iron heel of the Russian Czar. As for the unbounded liberty, equality, licentiousness and immorality of Democracies, the sad experience of France, and the still sadder of our own country should, one would think, be enough to convince and satisfy the world.

But I will not longer trespass on your time by my gloomy forebodings. It is well that you, who have the prospect of much longer life before you, should have better hopes and brighter prospects.

Farewell. affectionately yours

C. C. Short.

Dr. Asa Gray,
Cambridge, Mass.

Near Louisville, Ky,
Oct. 13th 1861. }

My dear Sw—

I have received within the past few months several sheets of your botanical matter, from Silliman's favor, for which I thank you, as it is the only intelligence I get of what is going on in the botanical world: but I have had no acknowledgement of a letter which I wrote to you about the middle of July, enclosing a parcel of the seeds of *Collinsia Verna*, for your English friend. I hope you received them, for if lost it will be an irreparable loss to your friend, for I doubt whether a thimble-full of these seeds is to be had on the American Continent, "for love or money."

Can you tell me whether any further portion of "Buck's Index to Decandolle's Prod.", than the 1st vol. of 2 parts, published some years ago, has appeared?— The author was so good as to send me the 1st vol. and I have

found it very convenient for reference.
I should like very much to have any
continuation of it, which may have
been published — Will you do me the
favor to order it for me? —

We are in the midst of stirring
times in this quarter; but whether Kentucky
is to be dragged, per force, into the vortex of
secession, or whether she can be sustained
in the wish of a decided majority of her
Citizens, to remain in the Union, no man
can at present say. If we were unani-
mous to a man, we might defy any in-
vasion or Coercion: but unfortunately that
is very far from being the case. Traitors
are found in every household, and secessionists
in every family. But I endeavour to keep
my mind as far as possible away from the
condition of the country, consoling myself
with the reflexion — perhaps a poor one —
that I have had no agency in bringing about
the present state of things, and that I can do
nothing to avert them — very truly yours,
C. C. Shott

Do you hear frequently from the Good
Sir Wm Hooker? I trust that the last days
of his useful and honorable life are not to
be embittered by the sufferings of Laeiz H. —
I heard some time ago that our venerable
friend Dr. Darlington was in bad health, and
not expected to recover — it has been a year
or two since I have had the pleasure of get-
ting a letter from him, but his last one had
all the sprightliness and life of his meridian
days. — Is Dr. Torrey engaged at present in
any botanical labour? — What has become
of Mr. Thunberg's promised and comprehensive
Enumeration of Mexican, Californian and Wes-
tern plants generally? — All your communica-
tions, I suppose, are cut off with Chapman,
Curtis and others of the South, as mine sadly is
with a daughter I have in New Orleans. What
a deplorable condition of things! —

As I have not troubled you much of late
in this way, I trust you will pardon my pre-
sent odorous mood, and believe me, with best
regards to Mr. Gray, very truly yours
C. C. Horst.

Near Louisville, Ky. }
November 14th 1861. }

My dear Sir —

Your favour of the 20th Oct.
reached me in due time, and I was glad to
hear by it of the safe arrival of the Collinsia
seeds, which were sent to you early last sum-
mer. At the request of your English friend
and Floriculturist, I sent you last fall a par-
cel of the seeds of the Tadianthus, gathered, I fear
at the time, prematurely, and that apprehension
has been confirmed by none of the stock germina-
ting which I sowed this spring. On this account
I avail'd myself of an opportunity which offered
late this fall to secure another supply, which must
certainly be fully mature, and I inclose a por-
tion to you. If your friend was not more for-
tunate than myself, in growing the former seeds,
perhaps he would like to have another supply.
Its favourite habitat is among moist shaded
rocks.

I have rec'd. a set of Dr. Parry's Rocky
Mountain plants, together with your observations
on the Compositae of the collection, from Dr.

Engelmann. I am sorry to say that the setts
allotted to me seems to be but a meagre one,
containing but few of the more interesting plants
— indeed but very few which I had not in
my Herbarium, from the collections of Drummond,
made many years ago.

I shall be glad to get from you,
when convenient, some further continuation
of the names of Wright's Cuban plants. I en-
deavour by means of Botany, Gardening &c. &c.
to dispel from my thoughts the gloomy picture
of our Country's troubles; but in vain. They in-
vade upon me in every moment of my wa-
king as well as sleeping hours; and frequently
I am tempted to throw up everything, and en-
deavour to seek in flight some country, where
I may be out of the way of hearing anything from
America. Pecuniary loss, in which I shall be
greatly a sufferer, in the confiscation of South-
ern Stock, &c. &c. is but a small part of my
distress. I would freely give up all to see the
Country as it was, five years ago: but that I
shall never see again.

As to the present position of Kentucky
in this unhappy and unholy strife, it is perhaps
more to be deplored, at the present moment, than
that of any other state in the Union. For not-
withstanding the decided expression of a majority
of its inhabitants in favour of adhering to the Union,
yet so great is the desire of the Confederates, to
possess her, that a dreadful struggle must ensue.
If Kentuckians were unanimous, and acted in
perfect harmony and concert, I should fear
nothing from any invading force; but unfortunately
this is very far from being the case, so far indeed,
that every family is divided, and almost every
household contains a traitor. In this state of
things, with the hocus-hocus, legerdemain machi-
nery which has been made to bear with such
fearful effect upon Virginia and Tennessee, there
is no knowing what will be the ultimate issue
in Kentucky. If the Government could make
a few more strong divisions in other directions,
as that now making on the coast of S. Carolina,
we might be saved — Otherwise I fear for the issue.

Potomac to divide them, a collision seems inevitable. Some look for a tumble battle very speedily, with what results it is impossible to predict. God prosper the right!

— Can you give me the name or names of any persons in this country, or in Europe, who would like to receive from me the plants of this region?— I have been so long in the habit of collecting & preserving the specimens which occur to me, as I go about, that it has become a second nature to me, and as long as such occupations tend to beguile the tedium of old age, I presume there is nothing wrong in continuing to pursue them. Moreover, a great many specimens are sent to me by others, for which (my own Herbarium being already supplied with them) I have no other use than to hand them over to others, and I had much rather do so than to lay them aside for the worms.

With the best wishes for your continued health and usefulness as well as happiness, I am my dear Sir, very truly yours

C. C. Shreve.

Near Louisville, Ky.
Dec. 11th 1861.

My dear Sir—

Your obliging favour of the 20th Nov. has been recd. some time since, and I have only waited until I could look over my set of Dr. Parry's Rocky Mt. plants, before writing to you. I thank you very kindly for your offer to make up any deficiencies which may exist in my parcel, and though loth to give you the trouble, I must trespass on your time and patience so far as to ask for a few.

The set sent to me by Dr. Engelmann was computed to contain 219 species, and as the entire collection amounts, I believe, to about 400, I have little more than the half— of those lacking to me I should like very much to have a specimen of the following—viz.

- ✓ N. 1. *Eriogon grandiflorum*, Hook.
- ✓ " 12. *Boltonia latisquama*
- ✓ " 14. *Machananthera* (Dieteria) *canescens*, Nutt.
- ✓ " 20. 21. 24. *Senecio Canus*, Aiken & *integerim*.
- ✓ " 27. *Senecio Fremontii*,

- ✓ No 31. *Carex involuerata*, Nutt.
 ✓ ? *Pectis angustifolia*, Torr.
 ✓ 36. *Euphrosyne Partholica*.
 ✓ 38. *Antennaria Carpathica*, DC.
 ✓ 47. *Stenotus pygmaeus*, T. & G.
 " 50. *Helianthus* ?
 ✓ 54. *Senecio angustifolia*, Vahl.
 ✓ 72. *Hieracium triste*, Willd.
 " 81. *Ranunculus amarus*, Ledeb.
 " 93. *Draba hirta*, Hook.
 ✓ 106. *Viola biflora*, L.
 " 193. *Astragalus Succumbens*, Dougl.
 ✓ 200. *Lupinus decumbens*, Torr.
 ✓ 208. *Cercocarpus parvifolius*, Nutt.
 ✓ 213. *Potentilla frida*, Nutt.
 ✓ 224. *Lonicera involuerata*, Benth.
 ✓ 238. *Gerardia aspera*, Benth.
 " 310. *Fragera speciosa*, Dougl.
 " 336, 337. *Abronia cyclocarpus* & *A. fragrans*.
 " 349. *Senecio cinereum*
 ✓ 392. *Luzula cornosa* ?
 ✓ 397. *Notholana dealbata*, G. & G.

Any of these which can be conveniently spared from the collection in your hands will be very acceptable to me, and you will please to let me know the cost that I may pay you before your settlement with Dr. Pavy. You have kindly sent me many more printed labels for these plants than I shall need, so that I can return you nearly the half, if you need them. —

I thank you for your items of information in regard to botanical matters in general. Since the discontinuance of Hooker's Journal, I hear nothing except what I get from you; and now that the rebellion has stopped all communication of intelligence from half the country my knowledge of what is going on in the out-door world is still further contracted. When will there be an end of this miserable and deplorable state of things? —

You will have learnt from the newspapers — those organs of incalculable mischief — that a very large army, on both sides, is congregating in this state, and, with no

Near Louisville, Ky.
April 18th 1862. }

My dear Sir —

You will, I know, excuse my apparent neglect in writing, when I inform you that my wife has been extremely ill for nearly three weeks — so ill, indeed, that at one time I almost despaired of her recovery. But for this I should have acknowledged some weeks ago the receipt of Dr. Booth's 3^d vol. together with the accompanying plants of Dr. Parry's collection. A few days ago I also received your favour of the 3^d inst. enclosing Grisebach's names of some of Wright's Cuban plants. This list I stole a few hours from the sick-bed-side to copy, and have sent it to Dr. Engelmann as you desired.

I must beg the favour of you to forward the enclosed to Dr. Booth, free of postage to him. It is all that I can do in return for his great and undeserved kindness to me, in sending me his magnificent work.

Excuse my brevity and believe me very truly yours.
Dr. A. Gray. C. W. Shost.

Dr Asa Gray
Cambridge
Mass.

more extensive collections — a matter which Dr. Jarnes should have attended to forty years ago, but which he gave up for the more congenial and "loved-employ" of assisting run-a-way negroes to escape from kind and humane masters, to starve to death, or die of cold in Canada!

What do you think of Buckley's batch of new things from Texas? — I fear it savours too strongly of poor old Rafinesque, who could ~~never~~ ^{hardly} pass by a plant of mullein or Johnson weed without exclaiming "there's my new specie".

Ever truly and cordially yours

C. W. Short

Dr. A. Gray, }
Cambridge.

Hayfield, Ky. near Louisville,
March 3^d 1862.

My dear Sir —

Your kind favour of the 23^d Jan. has been some time received, and sh^d have been sooner acknowledged, if I had had (is this Tuckaho or Yankee?) anything worthy of being communicated. If, however, I wait until this is the case, I fear it will be a long time before I write; and although you would be none the loser by this, yet I should be deficient in duty and courtesy.

I should like to have the forthcoming part of D.C.^s 15.th vol. By whom has Euphorbia been worked up? Whoever he is, he has had, I should guess, a hard job.

I have only 3 parts of Grisebach's Flora of the B. West Indies — Have any others been published?

A friend living in Burlington, Iowa, has lately sent me a newspaper of that place, containing a sketch of the life of Dr. Edwin Jarnes. As it may fall to your lot, at some day, to give some account of the

lines and labours of the minor botanists of this country, I enclose this sketch to you, to make what use you may choose of it. For myself I am free to confess that this individual's rabid abolitionism has neutralized all the respect which otherwise I should have had for him, as one of the earliest explorers of our western wilds — The same precisely are my sentiments towards Fremont, who, instead of being made a fool of by an abolition nomination for the Presidency; and instead of becoming a knave in the shape of a Major General, should have been kept exploring our unknown territories, and when they were entirely "worked up", he should have been sent on the same mission to Africa! — By the way in reading the sketch of the first named of these worthies, one is compelled to believe that, if he had lived a few years longer, from Presbyterianism, Baptism-Mormonism, Socinianism, and the rest of his radicalisms, he would have lapsed into rank Atheism and Infidelity.

Since I wrote to you last the political horizon of this region has brightened considerably; yet it does not become the friends of the Union to be unduly elated; for much yet remains to be done, before we are restored to the status quo ante; and much less ~~our~~ it becomes the party in power to press their peculiar principles too fiercely on the People. Cordially and earnestly as the better portion of Kentucky may have deprecated this rebellion, as the offspring of Southern discontent, ambition and vain-glory, yet there are few among us who would not resist to the uttermost all extraneous interference with our political and peculiar institutions, and although many of us may believe that Slavery is an evil, which we would gladly be rid of, yet we do not choose that Garrison, Beecher, or any of that school shall dictate to us what we must do with it.

— But, to return to Botany — I am pleased to learn that Dr Parry is making preparations to return to the Rocky Mountains, and to make

Hayfield, near Louisville, Ky. }
August 15th 1862. }

My dear Doctor —

It has been a considerable time since I have written to you, but I think still longer since I have had the pleasure of getting a letter from you. I have nothing now worth troubling you with, but I write in the hope of eliciting something from you. —

--- Mr Buckley, I apprehend, has not yet published the promised continuation of his new genera and species from Texas; and I guess he will not venture soon again to fall under your withering notes! I would not be the author of his batch of new things for all the fame he will ever acquire. But why should I find fault? — Will you believe it, when I tell you, that I was near attempting to make something new out of Thomas's old ulmus racemosa? Having been groping for fifty years among the forests of Kentucky, and repeatedly, no doubt, under the shade of this very tree, I never noticed it before this spring! It must surely be

D^r A. Gray
Cambridge
Mass.

a rare flower or fruit bearer, else I could hardly have overlooked it so long. I find it quite abundant on the banks of Elkhorn creek, a tributary of the Kentucky River, near Frankfort, where it is a large tree, and is called by the residents 'Hickory elm' or 'mast elm', from the fruit being eagerly sought after by squirrels and birds. It must be a rare tree in the East, as I never received it from any correspondent, except a sprig, without flowers or fruit, from Mr Oakes. I have secured abundance of specimens with ripe fruit. Will you have some of them?

The receipt, a few days ago, of another part of Grisebach's Flora reminds me to enquire of you as to the state of our account current. Please to let me know how it stands. Will you please to tell me whether Mr. Eaton is now at New-Haven, and whether his present engagements permit him to attend to Botany. I have a batch of undetermined ferns which I should like to submit to his inspection. Have you any recent intelligence in regard to the health of Dr. Boott?—Has Perry returned from his Rocky Mountain tour?

With all your "hopefulness," I fear you have had reason to become almost as hopeless as myself of any speedy adjustment of our great national troubles. With us the end seems to be farther off than ever, whilst day by day and every day the two parties in this state are becoming more and more bitterly rancorous and vindictive. Seeing that so little is being gained by prolonging the contest,* and that we have not left among us enough of justice, mercy, humanity or Christianity to cease cutting each others' throats, I, for one, do not care how soon the strong arm of European intervention compels us to do so. In this, however, you may not think with me, and I will not therefore press my opinions upon you.

With kindest regards to Mr. Gray, whose health I trust is improving, I remain, my dear Sir, very truly and cordially yours

C. C. Short.

* and so much lost in blood and treasure—

6.th I shall look out very anxiously for the copy of Hocker and Benthams Genera Plantarum, which you so kindly promise to send me. By-the-by, how does your own Genera illustrata progress? I should be delighted to see the remaining part of this American work completed.

7.th I wait with impatience the completion of Grisebach's Flora, and the determination of the residue of Wright's Cuban Plants.

8.th your request for the seeds of *Lythrum alatum* came too late for this season. Next year, if I live and meet with it, (I think I know one locality for it in this neighbourhood,) I will endeavour to serve you.

9.th I thank you for the address of Mr. D. C. Eaton; I think I will trouble him with a bundle of undetermined Ferns; for I do not know how my cattle would relish them mixed with the Gramineous Fodder.

And last not least, I thank you for your good wishes in regard to Kentucky; although I cannot hope that we are yet free from the danger of other invasions from our Southern Guerrillas. When they have eaten up the provisions, and worn out the clothing which they took from us, they will probably wish to replenish their stocks again; and in length they have suffered so little from their raids into Kentucky that they are thereby encouraged to repeat them. The fight at Perryville was anything but a victory to us — very truly yours C. C. Short.

Louisville, Ky. Dec^r 1st 1862.

My Dear Sir —

Your truly kind and obliging letter of the 20th of September (!) has been of course a long time before me, and should certainly have been acknowledged long since, but for a multitude of distracting cares and perplexities which have lately crowded upon me. In the first place I was induced to fly from this country, when it was invaded last fall, and when a desperate resistance had been determined on in the event of an attack on Louisville. Having at the time on my hands the care and responsibility, not only of my own family, but that of one of my sons-in-law who was absent, I deem'd it most prudent to take them out of harm's way, on the other side of the Ohio River; where the unsettled state of things in Kentucky detained me several weeks. Next, on my return home, my only single daughter became seriously sick, and remained in a critical condition several weeks. Next the trouble and worry attending our removal from our country home to a town home, which was ill prepared for our reception occupied some considerable time, and yet are by no

mean over; whilst the dirt, discomfort, noise and bustle of town go hand with us so long accustomed to the quiet, cleanliness, comfort and pleasantness of one of the most desirable country residences in Kentucky. But the distracted state of the country, our liability to disturbance from straggling parties of soldiers, and other annoyances attending the marching and countermarching of armies, have induced us to take up our residence in town, at least for the winter. By spring I trust some more favourable state of things may exist, when we will probably return to our country home.

With these apologies for having so long delayed an answer to your last favour, I return to it, and will take up its subjects seriatim.

1^{mo} I am well pleased to hear that the health of Mr. Gray has been so essentially improved by a summer's residence on the sea-shore. I found the change of temperature from Kentucky to Long Branch, N. J. so great that I was seriously injured by it.

2^{do} In your scathing notice of poor Buckley's grapes, you speak of "Prof. George Thurber" as "our best instructed agronomist." Where does this gentleman now reside, and is it probable that he would take the

trouble to look over and name for me a huge pile of grapes which have been accumulating on my hands, from various sources, for many years past? If I cannot get this favour of him, or some one else, I may as well turn them over to my horses; though I fear that the rotten trash from Berlandier might spoil the whole as hay. Perhaps Buckley may find a nest of new Genera or species among them. Shall I send them to him?

3^{do} Has Perry yet returned, and where and when will his collections be distributed?

4^{do} It will afford me great pleasure to lay aside for yourself, and any of your friends, specimens, and I hope good ones, of the *Ulmus racemosa*; but my whole collection is now in such confusion, from removal, that it will take some time to enable me to reach them. I may also be able to spare a good specimen of *Planera* for Dr. Hooker. If so, he shall certainly have it. This tree, though located by Michaux in Kentucky, has hitherto escaped my anxious search. My specimens are from Florida, by Chapman.

5^{do} I am pained to hear of the declining health of "good" Sir William Hooker. His title may well be used by me to whom, in times gone by, he has been so very kind.

St. Louis - Aug 1863

Louisville, March 26th 63.

Prof Asa Gray.

Dr Sir - Your kind letter of the 17th inst I have just received having been from the city for the past week -

My father was born in Worsford Co Ky, on the 6th of October 1794. was educated under the tuition of Mr Joshua Fry, near Danville in this State, who was a rare old scholar and a fine Virginia gentleman, from Mr Fry's school he soon went to Philadelphia where he graduated in the Spring of 1825 - from the University of Pennsylvania, as Doctor of Medicine, from that time until 1825 he was ~~employed~~ engaged in the practice of his profession ^{in Hopkinton, N.H.} when he was called to fill the chair of Materia Medica & Medicis Botany

in Pennsylvania University and
Lexington, Ky. it was then that
he freely and fully commenced the
study of botany, having leisure
to devote to it during the intervals
of the sessions, his summers were always
spent in botanical excursions, from
which collections commenced his now
large and valuable Herbarium, in
the fall of 1836 he removed to Louis-
ville, in the same chair in the Univer-
sity of this city, which he continued
to fill until 1849, when he retired
to private life, and devoted his entire
time and study to his favorite pursuit,
until the time of his death, which
was on the 7th of March '63.

I have thus given you a hasty
sketch of periods in my Father's
life, you can fill, resting fully assured
that there never lived a purer man,
a more devoted Botanist — a kinder

gentleman or a more liberal
one — or a more devoted Father,
Patriot or Christian than he.

Will you, my Dear Sir, be
so kind as to send me the
Journal in which you make
any notice of his life —

Very truly yours

W. S. Short

✓

Linnelle. Ky. April 7th 63.

Prof Asa Gray.

Dr Sir

In your last letter to me you desired to see that portion of my Father's will which related to his collection of plants, in the hurried answer which I made you I entirely forgot to copy that clause, and was only reminded of it by arranging books and other matters in the Herbarium.

Now it is however, "I give and bequeath my Herbarium of dried plants to the Smithsonian Institute of Washington City, upon the condition that the collection be carefully preserved and subject at all times to the inspection of those in pursuit of botanical knowledge."

"My library I wish to be divided

as near equally as possible among
my children."

The Botanical books
of which there are a large and
valuable collection, many of them
I suppose, rare and costly, does not
seem intended to accompany the
plants, his miscellaneous library also
was large for a private one, and
well selected.

We had expected to
hear through you, before this, from
Prof. Denny. I fear that politics are
more appreciated at the Capital than
scientific matters, and I very much
fear, should this collection find its
way there, that it will be consigned
to some dark and damp room, there
to moulder away, unnoticed & unknown.

We will soon however, I hope, hear
what Prof H. has to say on the subject—

With highest regards,

Very truly yours W. J. Hooker

Weyfield June 18. -/55.

Dr Gray.

My Dr Sir,

How shall I express my gratitude
for your many favours & especially the
last, the picture so beautiful & beautiful
which you have drawn of my dear departed
husband, strange to say you should have
known him so well by letter only, had
you been in his society during his entire
life, the picture could not have been more
perfect, thanks to you, thanks, for this
token of your kind regards, it has been
like balm to my poor lacerated heart.

My husband appreciates your letters highly
& I think I may with truth say no corres-
pondent gave him more pleasure —

With kind regards to Mrs Gray I am Dr Sir

Your Friend

W H Short.

Eliza Gray;

over,

Did I not learn through a letter to
Mr Hinckley that you would have to
send to Dr Silliman to have those papers
printed? if so, I'd through you, to thank
him for the beautiful execution of the
work, & a donation to the printer—
I have no idea of the cost, but will
enclose ten dollars, if not enough
pray let me hear —

Return the

I hope you
of 10 to the district
the clubs, and that we
would in giving it that
distinction.

61
10007
Louisville, Ky. Sept 18th
1863

Dr Asa Gray.

In a letter received from you sometime since in regard to the disposition of my Father's Herbarium, you mentioned that you could name one or two institutions of learning, that would probably prize such a collection, and take care of it, and thus our Father's wishes in regard to its "ever being open to the study and inspection of those in pursuit of botanical knowledge" would be fulfilled.

We, (for I speak for the whole family) would be very much pleased to hear from you on the subject, and to have your

views in full,

We would prefer that one institution perhaps, should have the whole collection, rather than have it divided, it seems unfortunate that none of his (Sir) children should have inherited his love for this beautiful branch of Natural Science, or that in his native ^{State} there should be no institution prepared to appreciate or receive it.

These are about Three Hundred cases or boxes in the collection, made and bound to represent books, they are in size 20×12 inches, ~~the~~ and about 3 in. wide. Something in this form -



The whole put up in the

most careful

~~best~~ manner and in the best of paper -

Besides there are a large number of packages and bundles which look as if received from correspondents.

The whole collection could no doubt be carefully packed in large boxes and shipped to any part of the country without the slightest injury.

With kindest regards -

Truly yours

Wm. H. H. H.

2

Louisville, Ky. Mo 3^d 63

Prof Gray. Dr Sir

I have delayed
answering you last to me,
in regard to the Herbarium.
that I might see and consult
all the members of our Family
some of whom have been absent
from some time.

I am happy to inform you
that now all have been con-
sulted and all are agreed in
entire willingness that the Philad^a
Academy of Natural Sciences
should have the collection.

We are entirely agreed also to
leave all the details, arrange-
ments &c as to its transfer
entirely in your own hands.

After farther Correspondence
or a visit to Philadelphia as
you probably suggest, we
would be pleased to hear from
you on the subject. And would
be ~~glad~~ ^{glad} to see you at "Hayfield"
which is only now a few ~~miles~~ ^{miles} from
west of the Quaker City.

With high regards

Truly yours

W. Short.

Hayfield, near Lonsdale
Nov 20th 63

Prof Gray
Dr Sir

Your kind letter
of the 14th has just been received.
Allow me to thank ^{you} in behalf of
all our family for the trouble you
have taken, and the interest you
have manifested in the disposition
of the Herbarium of our beloved Father.
I can scarcely imagine how at-
tached we are to this collection, ~~for~~
years, indeed since my earliest rem-
embrance, we have seen him labour
at it, first collecting, then drying,
assorting and looking over them, &
it seemed ever with renewed and
increased interest; we feel glad to
^{know} that now, mainly through your
instrumentality, that the poor

Plants have found so good
a resting place as the Phila
Academy. We most sincerely
hope that they may add to
cause of truth and science, &
their study afford to others
the same pure pleasure and great
gratification that they did to
the collector.

I have written to E. Durand, Esq.
placing the Herbarium at his
disposal.

With kindest regards

Yours very truly

Wm. H. R. H. H.